









## BRITAIN BACKS INDIAN POSITION IN OPIUM PARLEY

American Attitude Opposed by Sir M. Delevigne-Other Nations Support

By Special Cable  
GENEVA, Dec. 1.—The competence of the Opium Conference to consider the American demands affecting the domestic legislation of other countries was resumed this morning and a lengthy debate appears to be in prospect. The first speaker was Sir Malcolm Delevigne, Great Britain, who claimed that the agenda only permitted the consideration of production for export. His own instructions did not go beyond that, and if his Government had known that the scope of the conference would be enlarged he would have been obliged to consult the Government of India on the subject. Reservation would mean failure.

Mr. Van Watten, Holland, also said that he had no instructions beyond the question of production for export. Torichi Sugimura, Japan, Mr. Chodzko Poland, and Dr. Alfred Sze, China, supported Sir M. Delevigne's proposal, the first named suggesting that the reference to the business committee on Friday of the question of heroin, which was not on the agenda, opened the door for further variations, and Mr. Chodzko, considering the conference one of plenipotentiaries, said it had the right to discuss any subject affecting its conclusions.

GENEVA, Dec. 1 (AP)—England came out strongly in support of India today at the international Opium Conference, contending that Representative Stephen G. Porter, head of the American delegation to the conference, had given a clear impression that the question of the domestic use of opium in India would not be pressed, as the Americans now were attempting to press it.

Sir Malcolm Delevigne read extracts from the records of meetings of the opium advisory committee last year, to show that both he (Sir M. Delevigne) and Sir John Jordan had made statements that in conversations with Mr. Porter they had been led to believe that the American delegation had no intention of interfering with the internal practices of India or any other country, like Bolivia and Peru, where the coca leaf is eaten.

Sir Malcolm insisted that the matter was entirely outside the scope of the agenda and that if the Americans insisted upon its consideration there was danger of the conference not achieving its purpose.

President Zaleski, summing up the debate on the American proposal that the domestic use of opium in India should be considered by the present meeting, declared that it was his view that this proposal came within the scope of the conference agenda.

## OFFICE SPACE NOW AVAILABLE



The many advantages of General Motors Building are shown in detail in a handsome, illustrated booklet which will be sent to you upon request.

When you visit DETROIT—

Make it a point to inspect the great General Motors Building and learn of the many features that help to make this the world's finest office building. The General Motors Building is a city within itself; it is the most complete, the most sanitary and the best lighted building you could desire for a business home. Its location at the geographic center of Detroit makes it easily accessible from every section of the city.

Office space is now available—and you are invited to consult us regarding the advantages of making General Motors Building your business home in Detroit.



GENERAL MOTORS BUILDING Detroit, Mich.

## GERMANS PRESS ELECTION PLANS

Vote Will Determine Who Is to Rule in Future, Monarchists or Republicans

By Special Cable  
BERLIN, Dec. 1.—The election campaign for the new Reichstag entered into its last week yesterday. On one side are supporters of the pre-war autocratic régime who made the old black, white and red colors their symbol, while on the other side are progressive elements desiring maintenance of the Republic for the further development of democracy. The latter have taken the black, red and gold colors of the republican flag as their symbol. Thus the election campaign really is a fight between the black, white and red and the black, red and gold—in other words, the old and the new.

"Most Important Event"  
Both camps realize that next Sunday will determine who is to rule Germany in future, monarchists or republicans, autocrats or democrats. Vorwärts, therefore, describes the coming elections as the "most important event in modern German history."

Two speeches made by Dr. Wilhelm Marx, the Chancellor, and von Hindenburg the same day recently show the present division in the thought of the German people. The Chancellor declared he was fighting for the preservation of peace, because he was convinced the "damages" wrought by the war could never be healed by a new war. Von Hindenburg, on the other hand, advocated Germany's return to the "spirit of 1914," which, in his opinion, alone could lead the Nation back to the position it held before the war.

Liberals Gaining  
It appears, however, that while the Republic's supporters have clearly defined the goal for which they are fighting the black, white and red parties differ very considerably on the exact meaning of the "return of Germany to pre-war conditions" and the ways and means, while the Liberals show remarkable unity of thought and action. The Liberals, therefore, are gaining.

Election forecasts so far predict heavy losses for the Nationalists and Communists. The Conservatives are expected to lose 30 to return with 70 seats, while the Social Democrats expect to gain 30 and to return with 130 seats. Dr. Gustav Stresemann's German People's Party, it is believed, will lose slightly, while the Roman Catholics are expected to retain the present number of Democrats and gain slightly.

## MANY NATIONS IN FRENCH DEBT

Continued from Page 1  
Sibility of a favorable accord while the 1921 law, specifying the minimum of American demands exists, and it is questioned whether New York bankers with their special relations with France will take the same view as the majority of Americans.

GERMAN WOMAN HONORED  
ROSTOCK, Germany, Dec. 1.—Frau Mathilde Mann, author, translator and specialist on Scandinavian literature, has been awarded an honorary degree, Doctor of Philosophy, by Rostock University, one of the most institutions of learning in Germany. Frau Mann, who is a lecturer in literature at the university, is the first woman in Germany to receive an honorary doctor's degree.

## Airman Breaks Speed Record for Seaplanes

Argenteuil, France, Dec. 1  
THE airman, Paumier, using a new amphibious plane equipped with a 350-horsepower motor, yesterday broke the speed record for seaplanes for the distances of both 100 and 200 kilometers, while carrying a load of 500 kilograms. Paumier's average speed for the shorter distance was slightly over 192 miles an hour and for the longer distance slightly under that figure.

The performance was the more remarkable in that the test was made over a 10-kilometer course and the machine was brand new, never having been broken in.

to remind America of the special sentimental character of the debt. Doubtless, the matter will be mentioned when Austen Chamberlain and Edouard Herriot meet in Paris. A fortnight hence the allied finance ministers will gather to discuss the allocation of German payments, having regard to American claims.

Discussion in Washington  
WASHINGTON, Dec. 1.—The American Funding Commission today went over the results of informal conferences regarding the French debt, held recently between Andrew W. Mellon and J. Jules Jusserand, and reached no conclusions. It was announced after the commission adjourned, however, that "The French Government is desirous of attempting to reach some terms," and that discussions will be continued between Mr. Mellon and the Ambassador.

Members of the commission were given a complete account of the French position as represented by M. Jusserand. The discussions have been directed toward the establishment of a maximum limit to which France can go in refunding agreement, as well as development of the lowest limit to which the United States can agree. No date was set for another meeting of the commission, but another is expected before M. Jusserand leaves his post here on Jan. 4.

Under present legislation the Debt Commission would expire next February and steps were taken as soon as Congress convened today to prolong its term for two years. A bill for that purpose was introduced by Representative Crisp (D., Georgia) who is a member of the commission.

## SPAIN'S FINANCIAL ACTIVITIES GREATER

A resumption of financial activity occurred in Spain during October, marked by increased bank clearings and renewed activity on the stock exchange according to a cable to the Department of Commerce from Asencio, Trade Commissioner, Bureau of Madrid.

The reception given the most recent government loans indicates continued confidence in the financial stability of the government. Early this month a new per cent, four-year treasury bond issue amounting to 1,250,000 pesetas was oversubscribed more than eight times. Increased collections by the Government in October and the recent improvement in the Moroccan campaign are dispelling financial pessimism which prevailed throughout the summer.

## EGYPT ACCEPTS BRITISH TERMS AND CRISIS ENDS

Early Attempt to Remove Doubts About Water Supply From Sudan Expected

By Cable from Monitor Bureau  
LONDON, Dec. 1.—The immediate crisis between Great Britain and Egypt is now ended with Ziaur Pasha's acceptance of the British conditions left outstanding by his predecessor, Zaghlul Pasha. The chief of these, as already indicated, had reference to interference with the duties of British advisers on finance, justice and public security.

The British are now inclined to wait and see whether acceptance is a mere matter of words or whether a loyal attempt will be made to comply with the British demands. In the latter case an early attempt to settle Egypt's doubts about the water supply from the Sudan is expected.

In this connection a prominent engineer writing in the Morning Post today cites the experience of India where it was found that the volume of water in the Lower Indus at non-flood times was actually increased by impounding some of the flood water higher up the river. He explains this as being due to the fact that most of the water used finds its way back to the river later through normal drainage channels.

Thus, he says, much of the Nile flood, instead of going to waste, will be made available for Egypt at a time when the river level is normally very low. He therefore asserts that the new dam of which Egypt is so much afraid will really be a blessing in disguise.

## Situation, Both in Egypt and Sudan, Continues Quiet

LONDON, Dec. 1 (AP)—Egypt has agreed to the outstanding terms, previously unaccepted, which were laid down following the assassination of the Sirdar, Sir Lee Stack.

The situation both in Egypt and the Sudan continues quiet, according to the latest reports from the various newspaper correspondents, whose dispatches imply that further trouble in the Sudan and any rate is improbable. The mutiny of a small body of troops in the Eleventh Sudanese Battalion is generally ascribed directly to the influence brought to bear on the men by their officers, acting in behalf of Egyptian propagandists.

While it is admitted that the outlook in Egypt is more obscure than that in the Sudan, the belief is expressed that events there are tending toward peace and order. The Cairo correspondent of the Daily Express understands that an agreement has been reached by which the British troops will be withdrawn from the Alexandria customs house, which they recently occupied. This, he adds, would seem to indicate confidence in the willingness and ability of the new Premier, Ziaur Pasha, to hold down the extremists and fulfill the British terms.

Another message says the Cairo schools, in which the students have been on strike, are reopening and that the situation is quiet in Cairo and Alexandria. There is no prospect of further disorders, this message asserts.

## USE IDLE DESTROYERS TO BAR LIQUOR SMUGGLERS, IS PLEA

Large Number of Craft Going to "Rust and Ruin." Is Shearer Charge—He Would Add Them to the Federal Rum-Chasers

Special from Monitor Bureau  
WASHINGTON, Dec. 1.—The Treasury Department, in its efforts to deal with the liquor smugglers along the Atlantic coast might well take from the large number of destroyers alleged to be "going to rust and ruin" enough vessels to make an adequate fleet to proceed against the rumrunners.

This statement, made by W. R. Shearer, New York naval expert, in the course of an attack on the advocates of further weakening of the navy, may be basis for a drive to enlarge the prohibition fleet, which has already, according to Treasury Department officials, done much to curb smuggling. According to Mr. Shearer, out of 200 destroyers which are laid up at San Diego and Philadelphia because of lack of officers, men and funds to put them into commission, "less than 21 have been turned over to the Coast Guard for its rum and dope smuggling war." It is intimated by Mr. Shearer that if these destroyers are not to serve their original purpose of adding to the naval strength of the United States, they might well be put to the needed work of chasing rum smugglers.

The fight to prevent any weakening of the navy's present strength began by Mr. Shearer, with the suit to prevent destruction of the Washington. It will be continued by him before Congress. In a statement claiming that he has the support of the National Security League and the Army and Navy Club, Mr. Shearer contended that the real strength of the navy is unknown or misrepresented by politicians.

The alleged strength of the navy in its destroyers is but a "myth," Mr. Shearer asserted. He contended that there is a serious lack of officers of experienced engineers, and men which, coupled with lack of funds to put the destroyers into commission, makes the quoted figures misleading.

He declared that of the total 308 destroyers now in the navy, only 108 are in commission, and that six of these are used as mine layers. The destroyers in commission are short 227 officers and a number of engineers in handling destroyers and only 50 per cent of these are qualified to take charge of the destroyers now in commission.

Other points brought out in Mr. Shearer's brief against any weakening of the navy are: "The battle fleet is short of officers, personnel and therefore cannot be drawn on for officers to man the destroyers." "There is too much favoritism and politics in the Navy Department for the good of the service." "The 308 destroyers in the navy exist only in material, not in personnel, which is the more important."

## FARMER-LABOR UNITY STRESSED

Sage Foundation Urges More Co-operation After Five-Year Survey

NEW YORK, Dec. 1.—Orderly recruiting and distribution of farm labor is one of the biggest questions confronting public employment offices, according to a report of this type of office made public by the Russell Sage Foundation. The report is the result of a five-year study of employment methods, needs and agencies in every important agricultural section of the country and in more than 70 cities.

"One of the chief obstacles to the work of the public employment offices," the report states, "is that the farmer is often unfamiliar with employment office methods. He may therefore find fault with the work of the office when his own lack of co-operation contributes directly to unsatisfactory service."

The report continues: "In the central wheat belt, where the demand for farm labor is highly seasonal, there is an unparalleled opportunity for organized effort in recruiting the largest army of transient laborers to be found anywhere in America."

It is estimated in the report that there are approximately 3,000,000 transient farm laborers in the United States who are subject to seasonal fluctuations in the demand for labor and the necessity of moving from one place to another. As an example of the waste resulting from lack of a central agency for disseminating accurate information concerning the supply and demand of farm labor, the report points out that "10 out of 12 non-farm Bureau counties have indicated a loss of 50,000 acres of wheat in one year because of lack of harvest labor," while at the same time men were seeking farm work in other places in vain.

Reduced transportation rates for harvest hands directed to jobs through public employment agencies and the establishment of a clearly-defined policy between the Departments of Labor and Agriculture, both state and federal, in the placement of farm labor, also are recommended in the report.

ACQUISITION APPROVED  
NEW YORK, Dec. 1.—Acquisition of the Meadow Land Company by the Pittsburgh Terminal Coal Company was approved by stockholders of the Pittsburgh & West Virginia Railway at a special meeting today.

## USE IDLE DESTROYERS TO BAR LIQUOR SMUGGLERS, IS PLEA

Large Number of Craft Going to "Rust and Ruin." Is Shearer Charge—He Would Add Them to the Federal Rum-Chasers

Special from Monitor Bureau  
WASHINGTON, Dec. 1.—The Treasury Department, in its efforts to deal with the liquor smugglers along the Atlantic coast might well take from the large number of destroyers alleged to be "going to rust and ruin" enough vessels to make an adequate fleet to proceed against the rumrunners.

This statement, made by W. R. Shearer, New York naval expert, in the course of an attack on the advocates of further weakening of the navy, may be basis for a drive to enlarge the prohibition fleet, which has already, according to Treasury Department officials, done much to curb smuggling. According to Mr. Shearer, out of 200 destroyers which are laid up at San Diego and Philadelphia because of lack of officers, men and funds to put them into commission, "less than 21 have been turned over to the Coast Guard for its rum and dope smuggling war." It is intimated by Mr. Shearer that if these destroyers are not to serve their original purpose of adding to the naval strength of the United States, they might well be put to the needed work of chasing rum smugglers.

The fight to prevent any weakening of the navy's present strength began by Mr. Shearer, with the suit to prevent destruction of the Washington. It will be continued by him before Congress. In a statement claiming that he has the support of the National Security League and the Army and Navy Club, Mr. Shearer contended that the real strength of the navy is unknown or misrepresented by politicians.

The alleged strength of the navy in its destroyers is but a "myth," Mr. Shearer asserted. He contended that there is a serious lack of officers of experienced engineers, and men which, coupled with lack of funds to put the destroyers into commission, makes the quoted figures misleading.

He declared that of the total 308 destroyers now in the navy, only 108 are in commission, and that six of these are used as mine layers. The destroyers in commission are short 227 officers and a number of engineers in handling destroyers and only 50 per cent of these are qualified to take charge of the destroyers now in commission.

Other points brought out in Mr. Shearer's brief against any weakening of the navy are: "The battle fleet is short of officers, personnel and therefore cannot be drawn on for officers to man the destroyers." "There is too much favoritism and politics in the Navy Department for the good of the service." "The 308 destroyers in the navy exist only in material, not in personnel, which is the more important."

## ARMED COMMUNISTS ATTACK NUMBER OF BUILDINGS IN REVAL

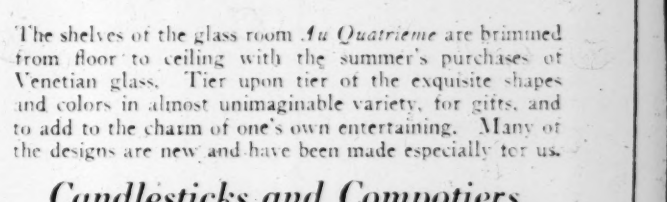
Order Restored After Several Scattered Fights—No Disturbances in Other Towns

REVAL, Estonia, Dec. 1 (AP)—Armed Communists attacked certain Government and military buildings here at 5:30 o'clock this morning. According to the officials the attack was immediately suppressed and order restored. No disturbances are reported from the other towns or provinces.

## WOMEN DRIVE S. P. C. A. MOTORS IN BROOKLYN

Special from Monitor Bureau  
NEW YORK, Dec. 1.—Three women armed in whiplash uniforms today began operating the ambulances of the Society for the Prevention of Cruelty to Animals from that organization's Brooklyn headquarters.

Officials of the society have decided in favor of women on grounds that, although men have driven the ambulances for the last 30 years, they are inclined, at times, to be overly businesslike, showing insufficient regard for those whose pet dogs or cats are being removed, it is announced.



## A Marvellous Collection of VENETIAN GLASS

The shelves of the glass room Au Quatrieme are brimmed from floor to ceiling with the summer's purchases of Venetian glass. Tier upon tier of the exquisite shapes and colors in almost unimaginable variety, for gifts, and to add to the charm of one's own entertaining. Many of the designs are new and have been made especially for us.

Candlesticks and Compotiers.  
Here are magnificent great compotiers in amber or blue with sea-horse handles, and delightful fluted ones in peacock blue or sea-green with a design of repousse leaves and flowers, which would give a sumptuous air to the table, heaped with autumn fruits. There are other large ones in a charming floral petal design, and lovely little ones which balance a delicate bowl on a dolphin's tail.

Many of the candlesticks may be had in designs to match the compotiers. The exquisite single ones, for example, which are like a flower-stalk opening in a corolla of fragile petals. There are two-branched ones with finials of twisted flame in amber, peacock blue and clear green. Slender ones topped with a white, a blue, or a crimson gardenia to hold the candle. And superb large ones with great clusters of colored fruit and flowers between the branches.

Glasses and finger bowls in matching and in individual designs are equally varied and run a marvellous gamut of jewel-like colors.

Scent Bottles and Decorative Objects  
The perfume-bottles and powder-boxes are enchanting in their graceful shapes and their flower-like hues of rose, crimson, opalescent blue and ultramarine. Many have stoppers or handles of gay little novelties. \$2.50 to \$7.50. White, black, and pale green swans with outstretched wings, little figures holding bouquets or cornucopias, delightful salt cups and sweetmeat dishes, and innumerable lovely flower vases and jars are all included in this fascinating collection.

Fourth Floor, Old Building  
John Wanamaker  
BROADWAY AT NINTH ST., NEW YORK

Only three weeks remain in which to order your

# Christmas Gift Bible

What more beautiful, suitable, useful or satisfying than this light, India paper, Companion (or pocket) Bible? A gift of distinction.

Combines all the elements that make a Bible attractive; its clear outstanding type, the whitest, lightest, toughest, most opaque India paper the world's best mills can produce, its light weight—only 14 ounces—its convenient size, its rich, sturdy, leather lined, French Morocco binding, its gold edges, its beautiful colored maps, its unquestioned genuineness, place this Bible in a class by itself.

Measured in terms of actual retail value, this beautiful Book should sell at \$6.00, but to The Christian Science Monitor readers, until further announcement, and so long as the present edition lasts, it will be mailed, prepaid, for.....

WHERE the sales of this Bible to be limited, it could not possibly be produced to sell at anything like this reduced price, but an entire edition has been placed at the disposal of Monitor readers, and they have the advantage of this extraordinary value.

An Ideal Gift to Friends and Sunday School Children

Remember the price of this Bible is only \$4.95 postpaid, and unconditional satisfaction is guaranteed. Money will be cheerfully refunded if the Bible is not exactly as represented.

For 50c additional you may have the extra convenience of a Thumb Index or you may have your (or another) name stamped in pure gold leaf on front cover. Both Thumb Index and name for 90 cents.

THE S. S. SCRANTON COMPANY  
302 PRINCETON BUILDING, HARTFORD, CONN.



*Special from Monitor Bureau*

Portland, Oregon

**COAL WOOD**

HOLLADAY AVE. FUEL CO.  
J.L. SHAW, Prop.  
EAST 7921

E 28<sup>th</sup> & Holladay  
PORTLAND, ORE.



**HOME BUILDERS**  
IN THE  
NORTHWEST


Plans of Homes  
Ranging from \$1800  
Up to \$10,000

**MATOT CONSTRUCTION CO.**

PLANNING METHOD SAVES TIME AND MONEY

**GENERAL CONSTRUCTORS**

832 Morgan Bldg. Portland, Ore. Main 6478



## MARK THIS

Men of the Northwest know that Fahey-Brockman's is the right place to buy clothes. Our permanent low price policy makes for quick turnover and economy in merchandising.

**Fahey-Brockman**  
 Seattle Portland

• San Francisco  
 • Oakland  
 • Fresno  
 • Los Angeles

Household Goods, Office Furniture

**BEK**

Seattle  
Phone  
EA 0282

**WINING  
PING  
KING  
RING**

-Seattle-  
-Portland-  
Sioux City-  
Omaha-

**ulture and Automobiles**

**INS**

Portland  
Phone  
Ea 4107

Sizes 1 1/2 to 2 at **\$3.35** Pair  
 Sizes 2 1/2 to 5 1/2 at **\$3.85** Pair

**Q** Brown leathers with standard  
 screw and McKay sewed soles  
 —leather or rubber heels.

Sizes 5 to 8 for Chi



Robert  
 THIRD & MAIN  
 PORTLAND

Sizes 8½ to 11½ **\$2.45-\$3.00**  
 Sizes 12½ to 2, **\$2.85-\$3.85**

Both black and brown leathers  
 in various good styles — with  
 either leather or rubber heels.

Children at \$2.25 Pair

*Brooks*  
 MORRISON  
 PORTLAND, ORE.

But many times a day our salesmen, who know picture-making from making pictures, are able to offer advice and suggestions that really help.

*Developing, printing and enlarging of the superior kind.*

**Eastman Kodak Co.**  
(Northwestern)  
**Photo Supply Co.**  
**1415 Fourth Ave.**  
**SEATTLE**



u  
t  
s  
h.  
AS  
(  
T



## POSTAL HOLIDAY APPEAL ISSUED

Nation-Wide Campaign Begins—Public Urged to Mail and Shop Early

Special from Monitor Bureau  
WASHINGTON, Dec. 1—So that 351,000 post office employees may enjoy Christmas Day at home, the greatest publicity campaign ever attempted is being conducted by the Post Office Department. The "Shop Early—Mail Early" slogan will be spread through school, press, radio, motion pictures, and civic organizations by the thousand. Mail carriers and post-office clerks who in years past worked steadily through the holiday to clear up the load of mail which reached its peak on this day, will cease work at 11 o'clock. Late parcels will remain undelivered until the next day.

This is the first year in which the Post Office Department has determined to give this slight reward for faithful service to its employees, and to rally public opinion in support. Last year's campaign brought hundreds of grateful letters from the families of mail carriers and postal clerks, to whom it was a novelty for the whole family to be together on this particular holiday. Last year, the peak of holiday mail was on Dec. 22, as a result of the co-operation of the mailing public.

The great campaign surpasses even the publicity for the Liberty Loans. These are some of the ways in which the attention of the public will be called to the need for a holiday to postal workers by mailing early.

Forty-eight thousand slides have been distributed to 5000 moving picture houses. This was done at no cost to the Government, through the co-operation of the Motion Picture Theater Owners' Association of the United States.

Three press releases giving details of the campaign have been distributed to 20,000 papers.

Twenty-three radio-casting stations from the Pacific to the Atlantic coast will send the "mail early" message to the public upon whose cooperation the success of the campaign rests. Postmasters in all the large cities will broadcast talks on the subject. Officials of the Post Office Department feel that this personal appeal will arouse a sure response.

Harry S. New, Postmaster-General, will open the campaign by a radio talk over stations WCAP, Washington, and WEA, New York.

Boards of trade, chambers of commerce, and civic organizations will work actively with the Post Office Department to move up the peak of Christmas mailing.

It is estimated that, if the public will respond to the "mail early" appeal, 43,677 letter carriers, 62,400 clerks, 44,417 rural carriers, 51,393 postmasters, and 21,316 railway postal clerks will share the benefits.

**SHRINERS TO ROUTE TRAINS BY PORTLAND**  
PORTLAND, Ore., Nov. 25 (Special Correspondence)—Trains bearing Shriners either going to or returning from the Imperial Council session next June at Los Angeles will be routed through Portland, according to George Baker, Mayor of that city, upon his return from San Francisco, where he conferred with leaders of the organization. Shriners who will visit Portland in this manner will number into the thousands, it is expected.

Four trains of Knights Templars en route to the encampment in Seattle in July will stop in Portland over Sunday. The members of 48 commanderies, all in uniform, and each temple carrying two sets of colors, will make one of the most colorful bodies to visit the city.

**SAPPHO ADVANCED**  
NEW YORK, Dec. 1—Sappho oil co. of New Jersey has advanced octane 14 to 15 cent a gallon. Bulk sapho is now 14.25 cents, 64 to 65 degree gravity 15.50 cents, 68 to 69 degree 17 cents.

Registered at The Christian Science Publishing House

Among the visitors from various parts of the world who registered at The Christian Science Publishing House Saturday were the following:

Mrs. E. C. Lawrence, Philadelphia, Pa.  
Miss Anna Price, Philadelphia, Pa.  
Miss Mary Elizabeth Walker, Nantucket, Mass.  
Miss Edna M. Prentiss, Nantucket, Mass.

**William O. McKay Company**  
"After We Sell We Serve"  
Lincoln—Ford—Fordson  
SEATTLE, WASHINGTON  
609-12 Westlake Avenue N. Capital 4949

**NEW METHOD LAUNDRY**  
1101 East Spring Street, Seattle  
FA 4100 Seattle

**QUALITY UNIFORM**  
PRICE PER SUIT  
"Our Driver Is in Your Neighborhood Every Day"

**Mme. Claire**  
Millinery  
1617 2nd Avenue—1527 3rd Avenue  
SEATTLE, WASH.

**Tuxedos**  
CORRECT STYLES—FINEST WOOLENS  
\$29.00 \$35.00 \$45.00  
**Liendquist-Lilly**  
Fashion Park—Clothing  
Green Building, SEATTLE Rust Building, TACOMA

## Egyptian Declaration Affects Cyrenaica

Rome, Dec. 1  
THE Chamber of Deputies has approved unanimously the estimates of the Colonial Department. Before the vote was taken the Colonial Minister, Punicellana di Scialoja, referred to the dispute between Egypt and Italy on the frontier between Cyrenaica and Egypt.

The proclamation of Egyptian independence, said the Minister, has had a very noticeable effect on Cyrenaica, as, since then, Egypt has become the center of an all-Islamic agitation. Italy has drawn the attention of the Egyptian Government to this state of affairs and some result has been achieved. It is true no agreement has been reached over the frontier dispute but the Minister assured the Chamber that "this fundamental problem will be solved with due safety to our colony and the prestige of our country."

## FARM DOLLARS TO SPUR TRADE

E. T. Meredith Predicts  
Business Prosperity Based  
on Agriculture

DES MOINES, Iowa, Dec. 1 (Special)—E. T. Meredith, Secretary of Agriculture under President Wilson, takes an optimistic view of agricultural conditions in the United States. He believes a marked improvement has followed in the wake of the depressing effects in America's basic industry during deflation. He says:

Within four years the total farm income has increased at the rate of \$1,500,000,000 each year, from \$12,000,000,000 in 1921 to \$15,000,000,000 in 1924. This increase in spending money is distributed in all farm sections, with the larger part of the increase going to farmers in the northern states, extending from Ohio to Nebraska.

There is no question in my mind that in so far as fundamental conditions are concerned, business during the next 12 months will show an increased activity. Agriculture being fundamental, when the farmer spends a dollar in town, he starts a chain of purchases in the city which determines the volume of city business.

The farmer has his dollar but does not, but the city man passes it through five, six or seven hands, going from the retailer to the wholesaler, wholesaler to the manufacturer, manufacturer to the laborer and laborer back to the retailer. It is only when some portion of the dollar spends it for food that the chain is broken.

For this reason, the total purchasing power of farmers is a factor of the most vital importance to business and labor; they are both to be congratulated that for the year 1924 the farmers of America will have considerably more purchasing power, in other words, more means to start their chains of purchases, than they have had in any recent year.

My prediction is for increased business in all lines for at least the first six months of 1925, and I base it wholly upon the increased purchasing power of the farmer.

**C. A. H. A. TO DECLINE GAMES**  
OTTAWA, Ont., Dec. 1 (Special)—S. P. Quilty, president of the Canadian Amateur Hockey Association, announced on Saturday that as a result of the telegraph vote of the C. A. H. A., no teams under the control of that organization would be permitted to play teams belonging to the U. S. A. H. A. until the latter body makes a satisfactory arrangement regarding the residence qualifications of Canadian players who go to the United States. The Ontario Hockey Association made a similar ruling sometime ago. As a result, Saturday night's game between the Winnipeg Tigers and the Boston Bruins, which was scheduled to be played at the Boston Arena during Christmas week.

**ANNA E. GULSETH**  
Shampooing  
Marcel Manicures  
201 Shafter Building SEATTLE  
Main 2272

Quality Not Price is the determining factor in Laundry economy  
**SUPPLY LAUNDRY CO.**  
Capital 5300 SEATTLE

**CARMAN**  
Fifth Avenue at Pine Street  
SEATTLE

**William O. McKay Company**  
"After We Sell We Serve"  
Lincoln—Ford—Fordson  
SEATTLE, WASHINGTON  
609-12 Westlake Avenue N. Capital 4949

**NEW METHOD LAUNDRY**  
1101 East Spring Street, Seattle  
FA 4100 Seattle

**QUALITY UNIFORM**  
PRICE PER SUIT  
"Our Driver Is in Your Neighborhood Every Day"

**Mme. Claire**  
Millinery  
1617 2nd Avenue—1527 3rd Avenue  
SEATTLE, WASH.

**Tuxedos**  
CORRECT STYLES—FINEST WOOLENS  
\$29.00 \$35.00 \$45.00  
**Liendquist-Lilly**  
Fashion Park—Clothing  
Green Building, SEATTLE Rust Building, TACOMA

**QUALITY UNIFORM**  
PRICE PER SUIT  
"Our Driver Is in Your Neighborhood Every Day"

**Mme. Claire**  
Millinery  
1617 2nd Avenue—1527 3rd Avenue  
SEATTLE, WASH.

**Tuxedos**  
CORRECT STYLES—FINEST WOOLENS  
\$29.00 \$35.00 \$45.00  
**Liendquist-Lilly**  
Fashion Park—Clothing  
Green Building, SEATTLE Rust Building, TACOMA

**QUALITY UNIFORM**  
PRICE PER SUIT  
"Our Driver Is in Your Neighborhood Every Day"

**Mme. Claire**  
Millinery  
1617 2nd Avenue—1527 3rd Avenue  
SEATTLE, WASH.

**Tuxedos**  
CORRECT STYLES—FINEST WOOLENS  
\$29.00 \$35.00 \$45.00  
**Liendquist-Lilly**  
Fashion Park—Clothing  
Green Building, SEATTLE Rust Building, TACOMA

**QUALITY UNIFORM**  
PRICE PER SUIT  
"Our Driver Is in Your Neighborhood Every Day"

**Mme. Claire**  
Millinery  
1617 2nd Avenue—1527 3rd Avenue  
SEATTLE, WASH.

**Tuxedos**  
CORRECT STYLES—FINEST WOOLENS  
\$29.00 \$35.00 \$45.00  
**Liendquist-Lilly**  
Fashion Park—Clothing  
Green Building, SEATTLE Rust Building, TACOMA

**QUALITY UNIFORM**  
PRICE PER SUIT  
"Our Driver Is in Your Neighborhood Every Day"

**Mme. Claire**  
Millinery  
1617 2nd Avenue—1527 3rd Avenue  
SEATTLE, WASH.

## EQUAL RIGHTS DRIVE RESUMED

Woman's Party Seeks Aid  
of A. B. Cummins, Judiciary Committee Head

Special from Monitor Bureau  
WASHINGTON, Dec. 1—The campaign for congressional approval of "the equal rights" amendment, launched last year by the National Woman's Party, was resumed when a delegation from headquarters of the organization called at the office of Albert B. Cummins (R.), Senator from Iowa, and chairman of the Senate Judiciary Committee, to present arguments in favor of the amendment and to urge action by the Judiciary Committee.

The Lucrilia Mott amendment, reading, "Men and women shall have equal rights through the United States and every place subject to its jurisdiction," was introduced in the long session of the Sixty-Eighth Congress by Charles Curtis (R.), Senator from Kansas, Republican floor leader, in the Senate, and Daniel R. Anthony Jr. (R.), Representative from Kansas, nephew of Susan B. Anthony, in the House. It is now before the Judiciary Committee.

The National Woman's Party has announced its intention to carry on an active lobby during the short session. Leaders of the party say the long session of the Sixty-Eighth Congress by Charles Curtis (R.), Senator from Kansas, Republican floor leader, in the Senate, and Daniel R. Anthony Jr. (R.), Representative from Kansas, nephew of Susan B. Anthony, in the House. It is now before the Judiciary Committee.

"An ideal democracy must stand for equal rights and opportunities for all," said Mrs. Richard Wainwright of Washington, speaking for the amendment. "The legal restriction of the rights of women is a disgrace to our country. The National Woman's Party shows that this is not true for American women. The Lucrilia Mott Amendment will make this true. Therefore we demand its adoption."

Mrs. Genevieve Allen of California cited the advantages of the federal amendment to secure equal rights as compared with the state legislation system.

"The utility of constantly using the time and energy of women to obtain amendments to state laws has been impressed on me as a result of 12 years of legislative work," she said. "Slight gains in the removal of discriminations against women in one legislature are likely to be lost in the succeeding session. The fundamental theory of equality between men and women before the law should therefore be written into the Constitution of the United States. This would override all discriminations in state legislations."

The delegation was composed of 31 members of the National Woman's Party and was led by Mrs. Stephen Pell of New York. Others of the delegation were Miss Doris Stevens of New York, Miss Anita Pollitzer of South Carolina, Mrs. John R. Rogers and Miss Ernestine Evans of New York, and Mrs. Florence Bayard Hill of Delaware.

**MILTON ESTABLISHES RECORD**  
LOS ANGELES, Dec. 1—A world speed record was established here by Thomas Milton, holder of the world's 200-mile record, Saturday, when he negotiated the one and a quarter mile Culver track during a practice lap in 34.4 seconds, an average of 125.31 miles an hour. The former record of 128 miles an hour was established recently by Charlotte, N. C., speedway by Bennett Hill. The track was opened Saturday by a group of racing drivers. Ralph de Palma circled the track at 124.4 miles an hour and Pietro Bordino, Italian pilot, made a lap at an average of 124.1 miles an hour.

**Harold E. Bowman**  
Certified Public Accountant  
2000 First Avenue MA 8386  
Seattle, Washington

**DEXTER HORTON**  
NATIONAL BANK  
OF SEATTLE  
Second Ave. at Cherry St.; Third Ave. at Pike St.; Seaboard Branch, Westlake at Pike St.; Ballard Branch, 3228 Ballard Avenue; Dexter Horton State Bank, Georgetown

**ESPRIT D'AMOUR**  
CHRISTMAS GIFT BOXES  
For Everyone  
Write or ask for Descriptive Circular.

**M. W. HUMPHREY**  
318 Denver Bldg., Seattle, Wash.  
State Distributor for Washington—California

**Graham's**  
SEATTLE  
Our stock of Fall Wraps—Ensemble Suits and Dresses at reduced prices.

**BRUNSWICK**  
RADIOLA  
A combined radio and phonograph of the highest quality.

**The Brunswick Shop**  
1519 SECOND AVENUE  
SEATTLE

**BRUNSWICK**  
RADIOLA  
A combined radio and phonograph of the highest quality.

**The Brunswick Shop**  
1519 SECOND AVENUE  
SEATTLE

**BRUNSWICK**  
RADIOLA  
A combined radio and phonograph of the highest quality.

**The Brunswick Shop**  
1519 SECOND AVENUE  
SEATTLE

**BRUNSWICK**  
RADIOLA  
A combined radio and phonograph of the highest quality.

**The Brunswick Shop**  
1519 SECOND AVENUE  
SEATTLE

**BRUNSWICK**  
RADIOLA  
A combined radio and phonograph of the highest quality.

**The Brunswick Shop**  
1519 SECOND AVENUE  
SEATTLE

**BRUNSWICK**  
RADIOLA  
A combined radio and phonograph of the highest quality.

**The Brunswick Shop**  
1519 SECOND AVENUE  
SEATTLE

**BRUNSWICK**  
RADIOLA  
A combined radio and phonograph of the highest quality.

**The Brunswick Shop**  
1519 SECOND AVENUE  
SEATTLE

**BRUNSWICK**  
RADIOLA  
A combined radio and phonograph of the highest quality.

**The Brunswick Shop**  
1519 SECOND AVENUE  
SEATTLE

**BRUNSWICK**  
RADIOLA  
A combined radio and phonograph of the highest quality.

**The Brunswick Shop**  
1519 SECOND AVENUE  
SEATTLE

## Billboards Cleared From Mountain Park

Albany, N. Y., Dec. 1  
NEARLY 2000 signs and billboards in the Adirondack Park have been removed by forest rangers of the Conservation Commission or by the owners of the land upon which they have stood since last spring, the commission announced. At the last session of the Legislature a law was passed prohibiting the use of signs which detract from the natural beauty of the park, which comprises about 1,333,000 acres.

**MR. MACDONALD**  
STILL LEADER  
London Vote of Confidence  
Reveals Him at Head  
of Opposition

Special from Monitor Bureau  
LONDON, Nov. 21—Ramsay MacDonald has had to bear whatever blame attaches, in the minds of his followers, to the loss of office and the prestige involved in his Government's being turned out. It was his decision—arrived at, report says, against the advice of the majority of his Cabinet—which forced the rupture with the Liberals that produced his defeat. It was he who inspired the bid for an independent majority which the general election refused. So much has been made, in circles hostile to his administration, of consequent dissatisfaction, especially in the left wing of his party, which is recruited largely from trade-unionists of the Clyde, that a split has been confidently forecast.

That no other Labor leader has yet arisen, however, to challenge seriously Mr. MacDonald's ascendancy was made abundantly manifest at a largely attended Labor gathering in London recently. The speaker, who was not only a unanimous vote of confidence registered in his favor on this occasion, but both J. R. Clynes, leader of the Labor Party in the House of Commons, and Arthur Henderson, probably the most influential of the trades-union representatives, spoke warmly in his support. Referring to press attacks made upon Mr. MacDonald, Mr. Henderson said "such a stain cannot be scotched too soon."

Mr. MacDonald, in his reply, indicated that he is still full of confidence in the future. Labor, he said, would "serve the Nation in opposition as they had served it as a Government." They would "show their devotion to their ideals and propagate their opinions."

**TETAN REPORTED CUT OFF**  
TANGIER, Dec. 1—According to information received here communications with Tetuan are cut off and some uneasiness is felt on account of the large number of Spanish troops whose movements have been interrupted by bad weather and who are not thought to have adequate supplies.

**Richardson's**  
STONE SPECIALISTS  
Purveyors of Fine Jewellery  
1520 SECOND AVE., SEATTLE

**Fashionable Apparel**  
For Men, Women and Children  
WITH Full CREDIT Privileges  
**CREDIT GLADY**  
1332-34 Second Ave. 208 Union St. TACOMA SEATTLE SPOKANE

**Personal Greeting Cards**  
50 cards with name..... \$2.50  
25 cards with name..... \$1.00

**Mendenhall's**  
PENS—ROBINS—FANS  
716 3rd Avenue—322 Pike Street  
SEATTLE

**Personal Greeting Cards**  
50 cards with name..... \$2.50  
25 cards with name..... \$1.00

**Mendenhall's**  
PENS—ROBINS—FANS  
716 3rd Avenue—322 Pike Street  
SEATTLE

**Personal Greeting Cards**  
50 cards with name..... \$2.50  
25 cards with name..... \$1.00

**Mendenhall's**  
PENS—ROBINS—FANS  
716 3rd Avenue—322 Pike Street  
SEATTLE

**Personal Greeting Cards**  
50 cards with name..... \$2.50  
25 cards with name..... \$1.00

**Mendenhall's**  
PENS—ROBINS—FANS  
716 3rd Avenue—322 Pike Street  
SEATTLE

**Personal Greeting Cards**  
50 cards with name..... \$2.50  
25 cards with name..... \$1.00

**Mendenhall's**  
PENS—ROBINS—FANS  
716 3rd Avenue—322 Pike Street  
SEATTLE

**Personal Greeting Cards**  
50 cards with name..... \$2.50  
25 cards with name..... \$1.00

**Mendenhall's**  
PENS—ROBINS—FANS  
716 3rd Avenue—322 Pike Street  
SEATTLE

**Personal Greeting Cards**  
50 cards with name..... \$2.50  
25 cards with name..... \$1.00

**Mendenhall's**  
PENS—ROBINS—FANS  
716 3rd Avenue—322 Pike Street  
SEATTLE

**Personal Greeting Cards**  
50 cards with name..... \$2.50  
25 cards with name..... \$1.00

**Mendenhall's**  
PENS—ROBINS—FANS  
716 3rd Avenue—322 Pike Street  
SEATTLE

**Personal Greeting Cards**  
50 cards with name..... \$2.50  
25 cards with name..... \$1.00

**Mendenhall's**  
PENS—ROBINS—FANS  
716 3rd Avenue—322 Pike Street  
SEATTLE

**Personal Greeting Cards**  
50 cards with name..... \$2.50  
25 cards with name..... \$1.00

**Mendenhall's**  
PENS—ROBINS—FANS  
716 3rd Avenue—322 Pike Street  
SEATTLE

**Personal Greeting Cards**  
50 cards with name..... \$2.50  
25 cards with name..... \$1.00

**Mendenhall's**  
PENS—ROBINS—FANS  
716 3rd Avenue—322 Pike Street  
SEATTLE

**Personal Greeting Cards**  
50 cards with name..... \$2.50  
25 cards with name..... \$1.00

**Mendenhall's**  
PENS—ROBINS—FANS  
716 3rd Avenue—322 Pike Street  
SEATTLE

**Personal Greeting Cards**  
50 cards with name..... \$2.50  
25 cards with name..... \$1.00

**Mendenhall's**  
PENS—ROBINS—FANS  
716 3rd Avenue—322 Pike Street  
SEATTLE

**Personal Greeting Cards**  
50 cards with name..... \$2.50  
25 cards with name..... \$1.00

**Mendenhall's**  
PENS—ROBINS—FANS  
716 3rd Avenue—322 Pike Street  
SEATTLE

## ITALIAN 50,000 LIRE AWARD SHARED BY TWO PEACE PLANS

One Advocates Inculcation of Benefits of European Cooperation; the Other Calls for Extension of Scope and Powers of League of Nations

Entry of the United States, Germany, and Russia into the League of Nations and a revision of the League Covenant so as to permit any state to join are put forward as two of the leading requisites for the restoration of peace and prosperity in Italy and Europe. In the prize-winning plans of the Italian Peace Award, announced today, this competition was inaugurated by Edward A. Flene of Boston, together with similar awards in Great Britain, France, and Germany, in which the winning theses have already been made public.

From the maze of plans submitted in the Italian competition two issues of international character emerge as Italy's most perplexing problems. One is the reparation of war damages, forming part of the general question of interallied debts. Here it is pointed out that Italy's solvency in relation to Europe, and especially to America, is virtually suspended by the present state of affairs. Revaluation of the currency, a broadening of the powers of the Economic-Financial Committee of the League and the establishment of more equal fiscal burdens among the European countries are recommended.

**Emigration a Pressing Issue**  
Emigration is viewed as the other pressing issue of Italy. It is declared that the population of the Nation is increasing at a rate which makes it impossible to subsist on the resources of the country. It is suggested that this question should form a subject for a special international investigation.

The first prize of 50,000 lire in the Italian Peace Award was divided evenly between two plans, one written jointly by Prof. P. Fedozzi and Prof. Gino Arias, and the other by V. Canto. The committee of award included Tommaso Tittoni, C. Schanzer, Prof. L. Rava, Professor Catalani, Professor Prato and G. Bianchini.

One of the first prize plans analyzes the prevailing crisis in the democratic countries of Europe. It states that the ideal of liberty and the spirit of class struggle are not easily reconciled and that the roots of social conflict and constant menace of war are found in this deadlock.

It holds that the new problem is to reconcile the prerequisites of liberty with the authority of the state. The interdependence of Italian and European problems is recognized, and it states that the problem of peace must be solved simultaneously with that of government. Prosperity is the result of a relative harmony of interests.

**Decline in European Hegemony**  
It is said that there is a decline of European hegemony, and that Europe no longer enjoys unchallenged world dominion. The financial supremacy of the United States is called a challenge to Europe. The Asiatic hegemony is said to be near its realization.

The plan states that a United States of Europe and the United States of America cannot have identical meaning; that national and racial traditions of Europe are an obstacle to a political unity like that in America. It adds that there are means of achieving European cooperation by creating a general favorable feeling for it, and by making clear the common advantages to be derived from it.

The other winning plan advocates reforms in the League of Nations. It proposes that the Covenant be separated from the peace treaties. It suggests that the constitution of the League be made universal, with participation of all states; that the method of nominating delegates be modified; that mutual relations of the Assembly and Council be more clearly defined; that the theory of unanimity be modified. It proposes that the reformed League of Nations undertake the codification of international law; insure reduction of armaments; provide for a peaceful settlement of international controversies; determine the procedure to be followed in use of coercion; establish guarantees against aggression; provide regional and continental agreements in accordance with Article XXI; and grant new and larger powers to the Economic Financial Committee.

**Special Christmas Offer**  
\$3.50  
Complete Set of Attachments, Given with Each Purchase of a Grand Prize  
**EUREKA VACUUM CLEANER**  
Until Christmas Only  
Only \$4.75 down, balance easy payments, and you get attachments free. Washing Machines, Ironers, Appliances and Mazda Lamps.

**POOLE ELECTRIC CO.**  
1118 4th Ave. SEATTLE  
628 St. Helens Main 1982 Tacoma

**Richardson's**  
STONE SPECIALISTS  
Purveyors of Fine Jewellery  
1520 SECOND AVE., SEATTLE

**Fashionable Apparel**  
For Men, Women and Children  
WITH Full CREDIT Privileges  
**CREDIT GLADY**  
1332-34 Second Ave. 208 Union St. TACOMA SEATTLE SPOKANE

**Personal Greeting Cards**  
50 cards with name..... \$2.50  
25 cards with name..... \$1.00

**Mendenhall's**  
PENS—ROBINS—FANS  
716 3rd Avenue—322 Pike Street  
SEATTLE

**Personal Greeting Cards**  
50 cards with name..... \$2.50  
25 cards with name..... \$1.00

**Mendenhall's**  
PENS—ROBINS—FANS  
716 3rd Avenue—322 Pike Street  
SEATTLE

**Personal Greeting Cards**  
50 cards with name..... \$2.50  
25 cards with name..... \$1.00

**Mendenhall's**  
PENS—ROBINS—FANS  
716 3rd Avenue—322 Pike Street  
SEATTLE

**Personal Greeting Cards**  
50 cards with name..... \$2.50  
25 cards with name..... \$1.00



# FOOTBALL HAS BRIGHT FUTURE

More Than 10,000,000 Have Been Entertained From Coast to Coast This Fall

NEW YORK, Dec. 1.—Football has entertained more than 10,000,000 persons throughout the United States this fall, and the overabundance of college football is well on its way to the future. With sectional championships settled to the extent possible under necessary brief schedules, California, the five-year undefeated eleven of the Pacific coast, will meet University of Pennsylvania, as representative of the east at Berkeley, New Year's Day, and at the same time undefeated University of Notre Dame will play undefeated Stanford University.

The engagements at the Golden Gate cannot, however, be considered United States championship clashes for such a title could only result from a series in which three eastern teams, as many from the middle west, the southern champions, and at least two coast teams participated. But they will produce an interesting comparison of football as played on the nation's two coast lines. Stanford and University of California played to a 20-20 tie. Of the group the Rockne halfbacks of Notre Dame are the only ones to pile up a score which evaded both defeat and tie.

The eastern season ended in a triple tie. Pennsylvania, Yale University, and Dartmouth College coming through without defeat, although all participated in dead-end games. Yale captured the "Big Three" honors by defeating Princeton and Harvard. Williams repeated its record of the "Little Three," and at the same time stopped Cornell's three-year winning streak. Holy Cross made the best record of the four larger eastern institutions, scoring victories over Fordham and Boston College, while Fordham conquered Georgetown. University of Maine captured the Maine series with Bates, Bowdoin, and Colby colleges.

University of Illinois, favorite in the Intercollegiate Conference, was eliminated when University of Minnesota defeated the leader by the formidable H. E. Grange, 20 to 7. University of Chicago thereby winning the title. Notre Dame, not a member of the Conference, defeated two of the eleven.

Centre College, which spurred to fame under Coach Stetson, won at Bucknell University, defeated University of Alabama, leaders in the southern title series. Centre, however, is not a member of the Conference. University of Florida and Washington and Lee University, both rivals of Alabama, will play a deciding game Saturday.

The year has produced numerous stellar individual performers, with Stanford's Grange, who led the race for honors, M. W. Cuddeback of Stanford shouldered the attack which led California. T. Garbisch of West Point kicked four field goals to beat Annapolis. The toe of Albert Krueger has saved Pennsylvania and Syracuse. The west has a quarter back in Grange in C. H. Schulte of Minnesota. A. W. McCarty and R. E. Curley of Chicago have been the Northwesters. The performances of the Notre Dame quartet, Layden, Stubbendor, Crowley, and Miller, have thrilled the section east of the Rockies.

**Canadians Easily Best St. Patricks**

NATIONAL HOCKEY LEAGUE STANDING

Team	W	L	T	For	Against
Montreal	10	2	0	107	67
St. Patricks	9	3	0	107	67
Ottawa	8	4	0	107	67

GAMES FOR WEEK

Dec. 1, Montreal at Boston, 8 o'clock. Hamilton at Hamilton, 8 o'clock. St. Patricks at Hamilton, 8 o'clock. Toronto at Ottawa, 8 o'clock.

MONTREAL, Que., Dec. 1 (Special).—The World's Champion Canadiens have apparently started the 1925 season where they left off last March as they had comparatively no difficulty in winning their opening game in the National Hockey League. Saturday night from Toronto St. Patricks defeated the visitors by 7 to 1. Canadiens showed more than the usual artificial link between the "Forum," which is considered the best in the world. The game was the earliest ever played in Montreal and was attended by over 10,000 enthusiastic, a record crowd.

Canadians forward line of Howie Moore, William Bouchard, and Joliat had far too much speed for the veterans on the visiting team and they skated around the opposing attacking line with ease and were able to work in on the defense. Bouchard was the star of the game. He started off at a fast clip, scoring the first goal in one of a minute and added two more before the losers secured their only goal. Joliat scored the first goal in one of a minute and added two more before the losers secured their only goal. Joliat scored the first goal in one of a minute and added two more before the losers secured their only goal.

**Canadians Easily Best St. Patricks**

NATIONAL HOCKEY LEAGUE STANDING

Team	W	L	T	For	Against
Montreal	10	2	0	107	67
St. Patricks	9	3	0	107	67
Ottawa	8	4	0	107	67

GAMES FOR WEEK

Dec. 1, Montreal at Boston, 8 o'clock. Hamilton at Hamilton, 8 o'clock. St. Patricks at Hamilton, 8 o'clock. Toronto at Ottawa, 8 o'clock.

# AMERICAN LEAGUE RECORD FOR 300 HITTERS BROKEN IN 1924

Sixty Players Hit Above Mark, Bettering Season's Performance of 55 Established in 1921

Although the tendency in batting averages in the American League, both from an individual and team standpoint, has been to fall off in recent years, a new American League record was established in 1924 for the number of batters hitting over 300. The old record stood at 55, made in 1921, and the 1924 list included 60, according to official averages for the season which are released today.

While so much importance was being attached to left-hand pitching in the major league baseball season of 1924, the fact that left-hand batters were playing an equally important part was apparently overlooked.

The records for the American League show that G. H. Ruth of New York, C. D. Jamieson of Cleveland and E. A. Falk and E. T. Collins of Chicago, left-hand batters, were in the list of batters of the league in the list of those playing over the 300-game mark. William Hayne of St. Louis and E. B. Cobb of New York, right-hand batters, were the only ones to pile up a score which evaded both defeat and tie.

The eastern season ended in a triple tie. Pennsylvania, Yale University, and Dartmouth College coming through without defeat, although all participated in dead-end games. Yale captured the "Big Three" honors by defeating Princeton and Harvard. Williams repeated its record of the "Little Three," and at the same time stopped Cornell's three-year winning streak. Holy Cross made the best record of the four larger eastern institutions, scoring victories over Fordham and Boston College, while Fordham conquered Georgetown. University of Maine captured the Maine series with Bates, Bowdoin, and Colby colleges.

Centre College, which spurred to fame under Coach Stetson, won at Bucknell University, defeated University of Alabama, leaders in the southern title series. Centre, however, is not a member of the Conference. University of Florida and Washington and Lee University, both rivals of Alabama, will play a deciding game Saturday.

The year has produced numerous stellar individual performers, with Stanford's Grange, who led the race for honors, M. W. Cuddeback of Stanford shouldered the attack which led California. T. Garbisch of West Point kicked four field goals to beat Annapolis. The toe of Albert Krueger has saved Pennsylvania and Syracuse. The west has a quarter back in Grange in C. H. Schulte of Minnesota. A. W. McCarty and R. E. Curley of Chicago have been the Northwesters. The performances of the Notre Dame quartet, Layden, Stubbendor, Crowley, and Miller, have thrilled the section east of the Rockies.

**Canadians Easily Best St. Patricks**

NATIONAL HOCKEY LEAGUE STANDING

Team	W	L	T	For	Against
Montreal	10	2	0	107	67
St. Patricks	9	3	0	107	67
Ottawa	8	4	0	107	67

GAMES FOR WEEK

Dec. 1, Montreal at Boston, 8 o'clock. Hamilton at Hamilton, 8 o'clock. St. Patricks at Hamilton, 8 o'clock. Toronto at Ottawa, 8 o'clock.

MONTREAL, Que., Dec. 1 (Special).—The World's Champion Canadiens have apparently started the 1925 season where they left off last March as they had comparatively no difficulty in winning their opening game in the National Hockey League. Saturday night from Toronto St. Patricks defeated the visitors by 7 to 1. Canadiens showed more than the usual artificial link between the "Forum," which is considered the best in the world. The game was the earliest ever played in Montreal and was attended by over 10,000 enthusiastic, a record crowd.

Canadians forward line of Howie Moore, William Bouchard, and Joliat had far too much speed for the veterans on the visiting team and they skated around the opposing attacking line with ease and were able to work in on the defense. Bouchard was the star of the game. He started off at a fast clip, scoring the first goal in one of a minute and added two more before the losers secured their only goal. Joliat scored the first goal in one of a minute and added two more before the losers secured their only goal. Joliat scored the first goal in one of a minute and added two more before the losers secured their only goal.

**Canadians Easily Best St. Patricks**

NATIONAL HOCKEY LEAGUE STANDING

Team	W	L	T	For	Against
Montreal	10	2	0	107	67
St. Patricks	9	3	0	107	67
Ottawa	8	4	0	107	67

GAMES FOR WEEK

Dec. 1, Montreal at Boston, 8 o'clock. Hamilton at Hamilton, 8 o'clock. St. Patricks at Hamilton, 8 o'clock. Toronto at Ottawa, 8 o'clock.

# Boston Now Leads American League

Fall River and Bethlehem Are Tied for Second Place in Soccer Standing

AMERICAN SOCCER LEAGUE STANDING

Team	W	L	T	Goals
Boston	10	5	3	34
Fall River	11	2	5	46
Bethlehem	11	2	5	46

PAWTCCKET, R. I., Dec. 1.—Although Fleisher Yarn F. C. led 1 to 0 at the close of the first half in an American Soccer League game against the J. & P. Coats even here, Saturday, the locals came fast in the second half, and won, 5 to 1. The summary:

COATS: HOGG, o. Connor, Sweeney, o. Strahan, Drummond, o. McLaughlin, Harvey, o. McLaughlin, Larkin, o. Duffy, Allen, o. Rodgers, Stevenson, o. R. R. Pipp of New York leads the three-base hitters with 19 and Joseph Hauser of Philadelphia is second to the league, with 18. The hardest hitters on the Washington American League world champions, have averaged 2.44 and 2.44. Both of the players are left-handed batters. The leading right-handed batter of the league is H. E. Holman of Detroit, with an average of .346.

G. H. Ruth is the individual batting star of the league with an average of .370. He led last year with an average of .346. The lowest batting average since 1915, when T. R. Cobb won, is .148, by E. A. Falk of Chicago.

**CLUB BATTING**

Team	W	L	T	Goals
Detroit	10	5	3	34
Cleveland	11	2	5	46
Washington	11	2	5	46

**INDIVIDUAL BATTING**

Player	Team	W	L	T	Goals
G. H. Ruth	Washington	10	5	3	34
H. E. Holman	Detroit	11	2	5	46
J. & P. Coats	Boston	11	2	5	46

**CLUB BATTING**

Team	W	L	T	Goals
Detroit	10	5	3	34
Cleveland	11	2	5	46
Washington	11	2	5	46

**INDIVIDUAL BATTING**

Player	Team	W	L	T	Goals
G. H. Ruth	Washington	10	5	3	34
H. E. Holman	Detroit	11	2	5	46
J. & P. Coats	Boston	11	2	5	46

**CLUB BATTING**

Team	W	L	T	Goals
Detroit	10	5	3	34
Cleveland	11	2	5	46
Washington	11	2	5	46

**INDIVIDUAL BATTING**

Player	Team	W	L	T	Goals
G. H. Ruth	Washington	10	5	3	34
H. E. Holman	Detroit	11	2	5	46
J. & P. Coats	Boston	11	2	5	46

# WACHSMUTH IS TITLE WARRIOR

Finnish-American A. C. Is Winner of Club Honors in A.A.U. Cross-Country Run

NEW YORK, Dec. 1.—Fred Wachsmuth, unattached, of New York, is the individual national senior cross-country champion, having won the American Athletic Union title for 1924 and the Finnish-American Athletic Club team champion. Wachsmuth captured the individual title over the six-mile Van Cortlandt Park course Saturday in 31m. 35s. The winning time was considered exceptionally good, as the course was wet and swept by the wind.

The Finnish-American Athletic Club team honors with 31 points, the American Athletic Club of Philadelphia was second with 58, New York A. C. third with 71.

It was the Finnish-American Club's fourth consecutive championship triumph in as many races this fall. Finishing five runners among the first 13 runners in the field which struggled for the title, the Finnish-American team carried off the team championship with a very low winning score.

Wachsmuth, a member of the old Morrisville Athletic Club, made good in the Van Cortlandt Park race, which was the first of four fall and date championships in a row.

Wachsmuth is a German runner, who has been in the country about two years and was the national junior champion last year. The former Glenview, Ill., runner, who is now competing unattached, scored his triumph in a manner which established him as the foremost cross-country runner of the field of 43 who started in quest of the title.

A contender from the start, Wachsmuth, crossed the finish line with an advantage of about 50 yards over runner, leader of the Finnish-American forces, who trailed in second place.

Pos. Name and Club Time

1. Fred Wachsmuth, unattached, 31:35
2. Fred Wachsmuth, unattached, 31:35
3. Fred Wachsmuth, unattached, 31:35
4. Fred Wachsmuth, unattached, 31:35
5. Fred Wachsmuth, unattached, 31:35

**NEW BEDFORD**

Dec. 1. Only brilliant work by the visiting New Bedford team, which won the 1924 Olympic medal, saved the team from receiving a worse defeat than the one they suffered in an American Soccer League match Saturday. The summary:

**NEW BEDFORD**

Dec. 1. Only brilliant work by the visiting New Bedford team, which won the 1924 Olympic medal, saved the team from receiving a worse defeat than the one they suffered in an American Soccer League match Saturday. The summary:

**NEW BEDFORD**

Dec. 1. Only brilliant work by the visiting New Bedford team, which won the 1924 Olympic medal, saved the team from receiving a worse defeat than the one they suffered in an American Soccer League match Saturday. The summary:

# West Point's Great Gridiron Leader

Cadets Defeat Midshipmen 12 to 0 Through Kicking of Capt. E. W. Garbisch

BAITIMORE, Md., Dec. 1.—For the first time since the United States Military Academy was the home of having won the most victories in the annual football series, with a record of 12 to 0, the United States Military Academy, as the result of its triumph in Saturday game in the big stadium here by a score of 12 to 0. This was the third year in a row that the academy has won the title.

The story of the game is largely a story of the individual achievements of Capt. E. W. Garbisch, West Point's star player. Not only did he play a remarkably fine game on the defense, but he was the only player to kick the ball, but all of the points were by his team must be credited to him. It was the result of four field goals, kicking the ball, but all of the points were by his team must be credited to him. It was the result of four field goals, kicking the ball, but all of the points were by his team must be credited to him.

It was in the second period that the Cadets captured the title. Garbisch intercepted a pass from the Midshipmen's quarterback, and he kicked the ball. The Midshipmen's quarterback, and he kicked the ball. The Midshipmen's quarterback, and he kicked the ball. The Midshipmen's quarterback, and he kicked the ball.

It was in the second period that the Cadets captured the title. Garbisch intercepted a pass from the Midshipmen's quarterback, and he kicked the ball. The Midshipmen's quarterback, and he kicked the ball. The Midshipmen's quarterback, and he kicked the ball. The Midshipmen's quarterback, and he kicked the ball.

It was in the second period that the Cadets captured the title. Garbisch intercepted a pass from the Midshipmen's quarterback, and he kicked the ball. The Midshipmen's quarterback, and he kicked the ball. The Midshipmen's quarterback, and he kicked the ball. The Midshipmen's quarterback, and he kicked the ball.

It was in the second period that the Cadets captured the title. Garbisch intercepted a pass from the Midshipmen's quarterback, and he kicked the ball. The Midshipmen's quarterback, and he kicked the ball. The Midshipmen's quarterback, and he kicked the ball. The Midshipmen's quarterback, and he kicked the ball.

It was in the second period that the Cadets captured the title. Garbisch intercepted a pass from the Midshipmen's quarterback, and he kicked the ball. The Midshipmen's quarterback, and he kicked the ball. The Midshipmen's quarterback, and he kicked the ball. The Midshipmen's quarterback, and he kicked the ball.

It was in the second period that the Cadets captured the title. Garbisch intercepted a pass from the Midshipmen's quarterback, and he kicked the ball. The Midshipmen's quarterback, and he kicked the ball. The Midshipmen's quarterback, and he kicked the ball. The Midshipmen's quarterback, and he kicked the ball.

It was in the second period that the Cadets captured the title. Garbisch intercepted a pass from the Midshipmen's quarterback, and he kicked the ball. The Midshipmen's quarterback, and he kicked the ball. The Midshipmen's quarterback, and he kicked the ball. The Midshipmen's quarterback, and he kicked the ball.

It was in the second period that the Cadets captured the title. Garbisch intercepted a pass from the Midshipmen's quarterback, and he kicked the ball. The Midshipmen's quarterback, and he kicked the ball. The Midshipmen's quarterback, and he kicked the ball. The Midshipmen's quarterback, and he kicked the ball.

# QUEEN'S WINS SENIOR TITLE

Defeats Balmy Beach, 11 to 3, in a Stubbish Rugby Game at Toronto, Ont.

TORONTO, Ont., Dec. 1 (Special).—Queen's University won their third Canadian Senior Rugby championship Saturday afternoon when they defeated Balmy Beach, champions of the Ontario Rugby Union, by 11 to 3, in a stubbish game in the stymied round, and as the victors of Winnipeg decided not to play the final next Saturday, they won the championship. Saturday's game was much closer than the score indicates and it was a converted touchdown, secured from a blocked kick, that gave the winners a good margin in the third quarter.

The losers made a great effort in the last half to overcome the lead, and with the exception of about 10 minutes in the first half, the game was a struggle. At that time Queen's were leading by 11 to 3. In the last minute Balmy Beach carried the ball to the 10-yard line, but on the third down lost the ball on a fumble on a plunge.

The winners were forced to the limit to hold the losers off on both sides. Greater experience which enabled them to take advantage of a few opportunities to improve their position that gave them the victory. The players of the Ontario champions was a distinct surprise as the Intercollegiate titleholders were considered by the majority of followers of the game to be much superior and an easy victory was expected. Instead, the losers showed unexpected strength and the touchdown from the blocked kick was the play that decided the issue. At that time Queen's were leading by 11 to 3 and by Chantler and several yard penalties put the losers on the defensive. They were penalized for holding on the line and on a third down Lewis broke through and hooked Hughes' legs. The ball bounced into Wright's arms and he ran 12 yards for the touchdown. The teams were evenly matched.

**COLLEGE GAMES SATURDAY**

Wash. Post, 12:30, Boston College at Notre Dame, 4 o'clock. Carnegie Tech. at Swarthmore, 12:30. Harvard at Princeton, 4 o'clock. Yale at Cornell, 4 o'clock. Stanford at California, 4 o'clock. University of Michigan at Wisconsin, 4 o'clock. University of Illinois at Indiana, 4 o'clock. University of Pennsylvania at Princeton, 4 o'clock. University of Maryland at Delaware, 4 o'clock. University of North Carolina at Wake Forest, 4 o'clock. University of Virginia at Washington and Lee, 4 o'clock. University of Georgia at Clemson, 4 o'clock. University of South Carolina at Clemson, 4 o'clock. University of Alabama at Auburn, 4 o'clock. University of Mississippi at Ole Miss, 4 o'clock. University of Louisiana at Louisiana State, 4 o'clock. University of Texas at Texas A.M., 4 o'clock. University of Oklahoma at Oklahoma State, 4 o'clock. University of Kansas at Kansas State, 4 o'clock. University of Nebraska at Nebraska State, 4 o'clock. University of Missouri at Missouri State, 4 o'clock. University of Arkansas at Arkansas State, 4 o'clock. University of Louisiana at Louisiana State, 4 o'clock. University of Texas at Texas A.M., 4 o'clock. University of Oklahoma at Oklahoma State, 4 o'clock. University of Kansas at Kansas State, 4 o'clock. University of Nebraska at Nebraska State, 4 o'clock. University of Missouri at Missouri State, 4 o'clock. University of Arkansas at Arkansas State, 4 o'clock. University of Louisiana at Louisiana State, 4 o'clock. University of Texas at Texas A.M., 4 o'clock. University of Oklahoma at Oklahoma State, 4 o'clock. University of Kansas at Kansas State, 4 o'clock. University of Nebraska at Nebraska State, 4 o'clock. University of Missouri at Missouri State, 4 o'clock. University of Arkansas at Arkansas State, 4 o'clock. University of Louisiana at Louisiana State, 4 o'clock. University of Texas at Texas A.M., 4 o'clock. University of Oklahoma at Oklahoma State, 4 o'clock. University of Kansas at Kansas State, 4 o'clock. University of Nebraska at Nebraska State, 4 o'clock. University of Missouri at Missouri State, 4 o'clock. University of Arkansas at Arkansas State, 4 o'clock. University of Louisiana at Louisiana State, 4 o'clock. University of Texas at Texas A.M., 4 o'clock. University of Oklahoma at Oklahoma State, 4 o'clock. University of Kansas at Kansas State, 4 o'clock. University of Nebraska at Nebraska State, 4 o'clock. University of Missouri at Missouri State, 4 o'clock. University of Arkansas at Arkansas State, 4 o'clock. University of Louisiana at Louisiana State, 4 o'clock. University of Texas at Texas A.M., 4 o'clock. University of Oklahoma at Oklahoma State, 4 o'clock. University of Kansas at Kansas State, 4 o'clock. University of Nebraska at Nebraska State, 4 o'clock. University of Missouri at Missouri State, 4 o'clock. University of Arkansas at Arkansas State, 4 o'clock. University of Louisiana at Louisiana State, 4 o'clock. University of Texas at Texas A.M., 4 o'clock. University of Oklahoma at Oklahoma State, 4 o'clock. University of Kansas at Kansas State, 4 o'clock. University of Nebraska at Nebraska State, 4 o'clock. University of Missouri at Missouri State, 4 o'clock. University of Arkansas at Arkansas State, 4 o'clock. University of Louisiana at Louisiana State, 4 o'clock. University of Texas at Texas A.M., 4 o'clock. University of Oklahoma at Oklahoma State, 4 o'clock. University of Kansas at Kansas State, 4 o'clock. University of Nebraska at Nebraska State, 4 o'clock. University of Missouri at Missouri State, 4 o'clock. University of Arkansas at Arkansas State, 4 o'clock. University of Louisiana at Louisiana State, 4 o'clock. University of Texas at Texas A.M., 4 o'clock. University of Oklahoma at Oklahoma State, 4 o'clock. University of Kansas at Kansas State, 4 o'clock. University of Nebraska at Nebraska State, 4 o'clock. University of Missouri at Missouri State, 4 o'clock. University of Arkansas at Arkansas State, 4 o'clock. University of Louisiana at Louisiana State, 4 o'clock. University of Texas at Texas A.M., 4 o'clock. University of Oklahoma at Oklahoma State, 4 o'clock. University of Kansas at Kansas State, 4 o'clock. University of Nebraska at Nebraska State, 4 o'clock. University of Missouri at Missouri State, 4 o'clock. University of Arkansas at Arkansas State, 4 o'clock. University of Louisiana at Louisiana State, 4 o'clock. University of Texas at Texas A.M., 4 o'clock. University of Oklahoma at Oklahoma State, 4 o'clock. University of Kansas at Kansas State, 4 o'clock. University of Nebraska at Nebraska State, 4 o'clock. University of Missouri at Missouri State, 4 o'clock. University of Arkansas at Arkansas State, 4 o'clock. University of Louisiana at Louisiana State, 4 o'clock. University of Texas at Texas A.M., 4 o'clock. University of Oklahoma at Oklahoma State, 4 o'clock. University of Kansas at Kansas State, 4 o'clock. University of Nebraska at Nebraska State, 4 o'clock. University of Missouri at Missouri State, 4 o'clock. University of Arkansas at Arkansas State, 4 o'clock. University of Louisiana at Louisiana State, 4 o'clock. University of Texas at Texas A.M., 4 o'clock. University of Oklahoma at Oklahoma State, 4 o'clock. University of Kansas at Kansas State, 4 o'clock. University of Nebraska at Nebraska State, 4 o'clock. University of Missouri at Missouri State, 4 o'clock. University of Arkansas at Arkansas State, 4 o'clock. University of Louisiana at Louisiana State, 4 o'clock. University of Texas at Texas A.M., 4 o'clock. University of Oklahoma at Oklahoma State, 4 o'clock. University of Kansas at Kansas State, 4 o'clock. University of Nebraska at Nebraska State, 4 o'clock. University of Missouri at Missouri State, 4 o'clock. University of Arkansas at Arkansas State, 4 o'clock. University of Louisiana at Louisiana State, 4 o'clock. University of Texas at Texas A.M., 4 o'clock. University of Oklahoma at Oklahoma State, 4 o'clock. University of Kansas at Kansas State, 4 o'clock. University of Nebraska at Nebraska State, 4 o'clock. University of Missouri at Missouri State, 4 o'clock. University of Arkansas at Arkansas State, 4 o'clock. University of Louisiana at Louisiana State, 4 o'clock. University of Texas at Texas A.M., 4 o'clock. University of Oklahoma at Oklahoma State, 4 o'clock. University of Kansas at Kansas State, 4 o'clock. University of Nebraska at Nebraska State, 4 o'clock. University of Missouri at Missouri State, 4 o'clock. University of Arkansas at Arkansas State, 4 o'clock. University of Louisiana at Louisiana State, 4 o'clock. University of Texas at Texas A.M., 4 o'clock. University of Oklahoma at Oklahoma State, 4 o'clock. University of Kansas at Kansas State, 4 o'clock. University of Nebraska at Nebraska State, 4 o'clock. University of Missouri at Missouri State, 4 o'clock. University of Arkansas at Arkansas State, 4 o'clock. University of Louisiana at Louisiana State, 4 o'clock. University of Texas at Texas A.M., 4 o'clock. University of Oklahoma at Oklahoma State, 4 o'clock. University of Kansas at Kansas State, 4 o'clock. University of Nebraska at Nebraska State, 4 o'clock. University of Missouri at Missouri State, 4 o'clock. University of Arkansas at Arkansas State, 4 o'clock. University of Louisiana at Louisiana State, 4 o'clock. University of Texas at Texas A.M., 4 o'clock. University of Oklahoma at Oklahoma State, 4 o'clock. University of Kansas at Kansas State, 4 o'clock. University of Nebraska at Nebraska State, 4 o'clock. University of Missouri at Missouri State, 4 o'clock. University of Arkansas at Arkansas State, 4 o'clock. University of Louisiana at Louisiana State, 4 o'clock. University of Texas at Texas A.M., 4 o'clock. University of Oklahoma at Oklahoma State, 4 o'clock. University of Kansas at Kansas State, 4 o'clock. University of Nebraska at Nebraska State, 4 o'clock. University of Missouri at Missouri State, 4 o'clock. University of Arkansas at Arkansas State, 4 o'clock. University of Louisiana at Louisiana State, 4 o'clock. University of Texas at Texas A.M., 4 o'clock. University of Oklahoma at Oklahoma State, 4 o'clock. University of Kansas at Kansas State, 4 o'clock. University of Nebraska at Nebraska State, 4 o'clock. University of Missouri at Missouri State, 4 o'clock. University of Arkansas at Arkansas State, 4 o'clock. University of Louisiana at Louisiana State, 4 o'clock. University of Texas at Texas A.M., 4 o'clock. University of Oklahoma at Oklahoma State, 4 o'clock. University of Kansas at Kansas State, 4 o'clock. University of Nebraska at Nebraska State, 4 o'clock. University of Missouri at Missouri State, 4 o'clock. University of Arkansas at Arkansas State, 4 o'clock. University of Louisiana at Louisiana State, 4 o'clock. University of Texas at Texas A.M., 4 o'clock. University of Oklahoma at Oklahoma State, 4 o'clock. University of Kansas at Kansas State, 4 o'clock. University of Nebraska at Nebraska State, 4 o'clock. University of Missouri at Missouri State, 4 o'clock. University of Arkansas at Arkansas State, 4 o'clock. University of Louisiana at Louisiana State, 4 o'clock. University of Texas at Texas A.M., 4 o'clock. University of Oklahoma at Oklahoma State, 4 o'clock. University of Kansas at Kansas State, 4 o'clock. University of Nebraska at Nebraska State, 4 o'clock. University of Missouri at Missouri State, 4 o'clock. University of Arkansas at Arkansas State, 4 o'clock. University of Louisiana at Louisiana State, 4 o'clock. University of Texas at Texas A.M., 4 o'clock. University of Oklahoma at Oklahoma State, 4 o'clock. University of Kansas at Kansas State, 4 o'clock. University of Nebraska at Nebraska State, 4 o'clock. University of Missouri at Missouri State, 4 o'clock. University of Arkansas at Arkansas State, 4 o'clock. University of Louisiana at Louisiana State, 4 o'clock. University of Texas at Texas A.M., 4 o'clock. University of Oklahoma at Oklahoma State, 4 o'clock. University of Kansas at Kansas State, 4 o'clock. University of Nebraska at Nebraska State, 4 o'clock. University of Missouri at Missouri State, 4 o'clock. University of Arkansas at Arkansas State, 4 o'clock. University of Louisiana at Louisiana State, 4 o'clock. University of Texas at Texas A.M., 4 o'clock. University of Oklahoma at Oklahoma State, 4 o'clock. University of Kansas at Kansas State, 4 o'clock. University of Nebraska at Nebraska State, 4 o'clock. University of Missouri at Missouri State, 4 o'clock. University of Arkansas at Arkansas State, 4 o'clock. University of Louisiana at Louisiana State, 4 o'clock. University of Texas at Texas A.M., 4 o'clock. University of Oklahoma at Oklahoma State, 4 o'clock. University of Kansas at Kansas State, 4 o'clock. University of Nebraska at Nebraska State, 4 o'clock. University of Missouri at Missouri State, 4 o'clock. University of Arkansas at Arkansas State, 4 o'clock. University of Louisiana at Louisiana State, 4 o'clock. University of Texas at Texas A.M., 4 o'clock. University of Oklahoma at Oklahoma State, 4 o'clock. University of Kansas at Kansas State, 4 o'clock. University of Nebraska at Nebraska State, 4 o'clock. University of Missouri at Missouri State, 4 o'clock. University of Arkansas at Arkansas State, 4 o'clock. University of Louisiana at Louisiana State, 4 o'clock. University of Texas at Texas A.M., 4 o'clock. University of Oklahoma at Oklahoma State, 4 o'clock. University of Kansas at Kansas State, 4 o'clock. University of Nebraska at Nebraska State, 4 o'clock. University of Missouri at Missouri State, 4 o'clock. University of Arkansas at Arkansas State, 4 o'clock. University of Louisiana at Louisiana State, 4 o'clock. University of Texas at Texas A.M., 4 o'clock. University of Oklahoma at Oklahoma State, 4 o'clock. University of Kansas at Kansas State, 4 o'clock. University of Nebraska at Nebraska State, 4 o'clock. University of Missouri at Missouri State, 4 o'clock. University of Arkansas at Arkansas State, 4 o'clock. University of Louisiana at Louisiana State, 4 o'clock. University of Texas at Texas A.M., 4 o'clock. University of Oklahoma at Oklahoma State, 4 o'clock. University of Kansas at Kansas State, 4 o'clock. University of Nebraska at Nebraska State, 4 o'clock. University of Missouri at Missouri State, 4 o'clock. University of Arkansas at Arkansas State, 4 o'clock. University of Louisiana at Louisiana State, 4 o'clock. University of Texas at Texas A.M., 4 o'clock. University of Oklahoma at Oklahoma State, 4 o'clock. University of Kansas at Kansas State, 4 o'clock. University of Nebraska at Nebraska State, 4 o'clock. University of Missouri at Missouri State, 4 o'clock. University of Arkansas at Arkansas State, 4 o'clock. University of Louisiana at Louisiana State, 4 o'clock. University of Texas at Texas A.M., 4 o'clock. University of Oklahoma at Oklahoma State, 4 o'clock. University of Kansas at Kansas State, 4 o'clock. University of Nebraska at Nebraska State, 4 o'clock. University of Missouri at Missouri State, 4 o'clock. University of Arkansas at Arkansas State, 4 o'clock. University of Louisiana at



## JEW-ARAB AMITY IS INCREASING

Immigrants Cease to Expect Wonders in Palestine and Arabs Find New Market

This is the second of a series of three authoritative articles describing progress achieved in the effort to establish in Palestine a national home for the Jewish race. The first article appeared in *The Christian Science Monitor* on Nov. 29.

Special from Monitor Bureau  
LONDON, Nov. 29.—As a result of six years' experience, the Jews, both in Palestine and outside it, have come down from the clouds to solid earth, and they are none the less idealistic for having learned to restate their ideals in terms of common sense. They are no longer under illusions as to the difficulties which face them in Palestine or as to the pace at which they can reasonably hope to go forward. They are ceasing to look feverishly for political miracles. They are content to know that it is possible, by a sustained and concerted effort, to build up in Palestine, stage by stage, a self-supporting and many-sided society, which will be a faithful reflection of all that is best in the Jewish mind.

Little by little, such a society is even now visible, struggling into existence. Its progressive development depends mainly on the Jews themselves. So long as that development is assured, the distant future can safely be left to look after itself.

**Uneasiness Disappears**  
This is the wholesome creed which is coming to be generally accepted. In Palestine itself it has produced a marked improvement in Jewish morale. The nervous malaise of three years ago has disappeared, and the Jews are settling down to steady constructive work in a spirit of confident optimism which augurs well for the future.

The Jews have other reasons for being in a happier frame of mind. There has been a distinct change for the better in their relations with the Government, and the same is true of their relations with the Arabs. Three years ago, the Arab problem was the main topic of conversation in Palestine. Today it is comparatively little discussed, and is generally assumed to be well on the way to solving itself. The mere lapse of time has had its effect.

### Immigrants Furnish New Markets

The Arab man in the street has seen year after year go by without the least evidence of any of the disasters which he was assured were about to overwhelm him. On the contrary, he has found by experience that Jewish colonization means new markets for his produce and money in his pocket, to say nothing of the sanitary work which the Jewish settlers are carrying out to his advantage as well as their own.

In the country districts, in spite of occasional misunderstandings, the relations between the Jewish settlements and the neighboring Arab villages are rapidly becoming quite normal, and the peasants are beginning to accept the Jews as a natural and not unwelcome phenomenon—so much so that in the Tulkarm district, where there is little or no Jewish colonization, the Arabs are actually pressing for a start to be made.

In the larger towns, where trade rivalry is more acute and religious passions run higher, the relations between the two races still leave something to be desired. Even in Jerusalem, they have materially improved. There is no longer the bitterness which existed three years ago, and though there is still a certain amount of inflammable material, there is much less of it than there was. If it is too much to say that a stable equilibrium has yet been reached, it seems at any rate to be well within sight.

### OKLAHOMA WOMEN HAVE LAW PROGRAM

OKLAHOMA CITY, Okla., Nov. 22 (Special Correspondence).—A program of legislation to be urged in the national Congress and in the tenth Oklahoma Legislature will be formulated at a meeting here of the Women's Legislative Council for Oklahoma on Dec. 10, according to a call issued by Mrs. Frank Korn of El Reno, president.

Among measures up for consideration include direct popular election of the President, Child Labor Amendment, uniform marriage and divorce laws, preferential primary state election law, a millage tax for support of state schools and a kindergarten law regulating state teachers' certificates.

The council represents the women's federated clubs, the Woman's Christian Temperance Union, the Young Women's Christian Association, business and professional women's clubs, Daughters of the Confederacy, American Legion Auxiliary and the American Association of College Women.

### The Wonder

DEFENDABLE MERCHANDISE MODERATELY PRICED

STOCKTON, CALIFORNIA

Furniture and Piano

MOVING

Local and Long Distance

DRAYAGE

STOCKTON TRANSFER CO.

515 E. Market Street, Stockton, Calif.

Phone 163

YOLLAND ICE & FUEL COMPANY

STOCKTON, CALIF.

Workshops, CALIFORNIA AND TAYLOR STS.

OFFICE, ELIZABETH AT MINER AVE.

Ice, Coal, Wood, Cement, Lime, Plaster, Sand, Gravel and Brick

STOCKTON, CALIF.

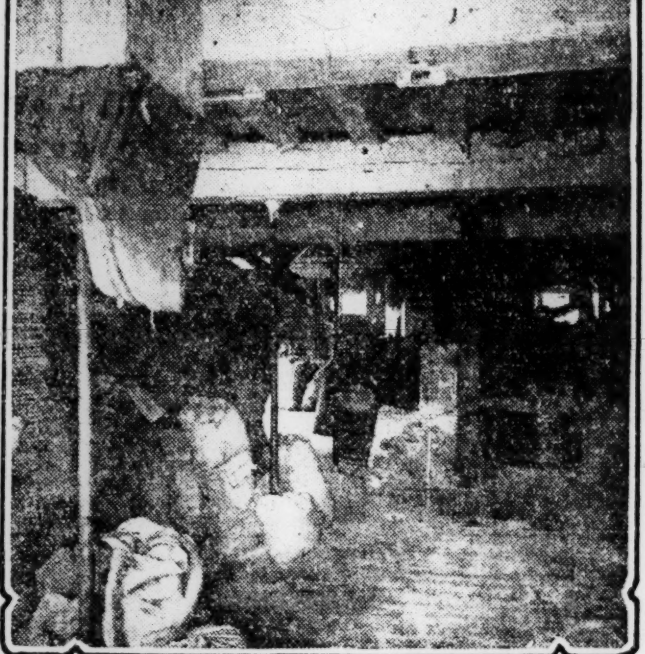
Workshops, CALIFORNIA AND TAYLOR STS.

OFFICE, ELIZABETH AT MINER AVE.

## Chesapeake Timbers Make Old Mill Famous



Photos Copyrighted Stephen Chubb Southey



Upper: "Chesapeake Mill" for Which John Prior Bought the Captured American Frigate's Timber in 1820. Lower: Beams and Flooring Once Formed the Deck of Historic Ship. The Dark Spots in the Photograph Are Bullet Holes Made During the Fight With the Shannon.

As a memento. There are plenty of bullet holes still embedded there.

The existence of "Chesapeake Mill" is now becoming more widely known among American visitors to England. Many of them who travel by rail from London now go to see this interesting building. If one is bound for London a slight detour only need be made to reach Wickham, and it is one worth making for several reasons. After going eastward from Southampton docks for about 12 miles one comes to "Chesapeake Mill." This stands by the roadside at the entrance to the beautiful Meon Valley. A splendid motor road leads straight through the valley to London. On the way one passes Old Winchester Hill, a world-famous prehistoric monument, then on through the ancient towns of Alton and Farnham, whence one may proceed to London through the great military camp of Aldershot, or over Headford from which one of the finest views in Europe is obtainable. But to the American "Chesapeake Mill" will probably be the greatest attraction because of its associations.

Washington—More than 20,000 census takers are ready to visit more than 4,000,000 of the Nation's farms. The census in 1920 showed 6,448,343 farms with properties valued at \$77,524,100,338.

### C.F. Weber & Co.

Church Furniture and Seating

ESTIMATES ON REQUEST

SAN FRANCISCO LOS ANGELES

408 Mission St. 222 No. Los Angeles St.

San Francisco Los Angeles

San Francisco Los Angeles

San Francisco Los Angeles

San Francisco Los Angeles

San Francisco Los Angeles

San Francisco Los Angeles

San Francisco Los Angeles

San Francisco Los Angeles

San Francisco Los Angeles

San Francisco Los Angeles

San Francisco Los Angeles

San Francisco Los Angeles

San Francisco Los Angeles

San Francisco Los Angeles

San Francisco Los Angeles

San Francisco Los Angeles

San Francisco Los Angeles

San Francisco Los Angeles

San Francisco Los Angeles

San Francisco Los Angeles

San Francisco Los Angeles

San Francisco Los Angeles

San Francisco Los Angeles

San Francisco Los Angeles

San Francisco Los Angeles

San Francisco Los Angeles

San Francisco Los Angeles

San Francisco Los Angeles

San Francisco Los Angeles

San Francisco Los Angeles

San Francisco Los Angeles

San Francisco Los Angeles

San Francisco Los Angeles

San Francisco Los Angeles

San Francisco Los Angeles

San Francisco Los Angeles

San Francisco Los Angeles

San Francisco Los Angeles

San Francisco Los Angeles

San Francisco Los Angeles

San Francisco Los Angeles

San Francisco Los Angeles

San Francisco Los Angeles

San Francisco Los Angeles

San Francisco Los Angeles

San Francisco Los Angeles

San Francisco Los Angeles

San Francisco Los Angeles

San Francisco Los Angeles

San Francisco Los Angeles

San Francisco Los Angeles

San Francisco Los Angeles

San Francisco Los Angeles

San Francisco Los Angeles

San Francisco Los Angeles

San Francisco Los Angeles

San Francisco Los Angeles

San Francisco Los Angeles

San Francisco Los Angeles

San Francisco Los Angeles

San Francisco Los Angeles

San Francisco Los Angeles

San Francisco Los Angeles

San Francisco Los Angeles

San Francisco Los Angeles

## SUNSET STORIES

The Big Box

SEE a cow. The cow is big. Run to the cow. Play with the cow. See the cow run." said Topnot. He didn't really see any cow at all. He was reading out of a primer. Every morning he sat down under the banana tree and read his primer. Where did he get the primer? It all came about in this way.

Once Topnot tied a fresh wreath of hachala buttons round one ankle, shined his toe nails and went to call on the Lady Dinah Monkey, who lived in the great jungle where everything is deep and green. And when Topnot said good-by and jumped down from the tree where she lived, Lady Monkey gave him a beautiful present of two books—a primer and a magazine from a big store that showed pictures of everything the store had to sell.

This particular morning Topnot closed the primer and said, "I rather a dull book, I think. Nobody could play with a cow!"

He opened the magazine and turned to the page when he got to the end he turned backward till he came to the front again. Then he began again and studied each picture carefully. He did this all day long till the stars began to twinkle and it was dark.

That night he slept with the magazine under his pillow, in the hammock that swung between the banana tree and the umbrella tree with the broad green leaves. In the morning Topnot wrote a letter. It said:

Dear man who owns the store: Please send to Topnot, in the middle of the great, sandy African desert, etc., etc.

Love and kisses from Topnot.

He made the longest list of things that he wanted and then he gave the letter to a great bird flying over the desert. All day long he lay in his hammock and waited, waited, waited for the box to arrive.

After three long days it came. An elephant dropped it under the banana tree and sat down to watch Topnot open it. The elephant ate a great many bananas while he watched.

Topnot could scarcely get the top off. He was so excited. He kept jumping into the air and kicking his little black heels together in glee.

"Ha-ha-ha!" said Topnot. "Ha-ha-ha!" He sat down on the box and began to giggle with joy.

"Oh, come on, open up the box," said the elephant, who had by this time eaten 21 bananas, skins and all.

"Yes," said Topnot, quite meek and wobbly now. These are the things he took out of the box:

1. A jar of peanut butter (which he tasted with his finger).

2. A picture of a lady on a white horse.

3. A paper of safety pins.

4. A red lantern and a green one.

5. An alarm clock.

6. A bottle of pink perfume (for Lady Monkey).

7. A pair of fancy garters.

8. A little china dog.

9. A wrist watch.

10. A big chocolate cake.

"Oh, my!" said Topnot. "Whatever shall I do with all these wonderful inventions?" Then he made them all into a neat pile, with the chocolate cake on top. The little china dog he gave to the elephant.

The elephant got up very, very slowly because he had by this time eaten 39 bananas, and walked off with the little china dog on his back. It was a long time before they disappeared into the jungle and left Topnot sitting by the pile of inventions.

Engraved Cards and Stationery

Monograms and Wedding Announcements

Correctly Done

MARIER ENGRAVING CO.

420 Market Street, San Francisco, Calif.

San Francisco, Calif.

San Francisco, Calif.

San Francisco, Calif.

San Francisco, Calif.

San Francisco, Calif.

San Francisco, Calif.

San Francisco, Calif.

San Francisco, Calif.

San Francisco, Calif.

San Francisco, Calif.

San Francisco, Calif.

San Francisco, Calif.

San Francisco, Calif.

San Francisco, Calif.

San Francisco, Calif.

San Francisco, Calif.

San Francisco, Calif.

San Francisco, Calif.

San Francisco, Calif.

San Francisco, Calif.

San Francisco, Calif.

San Francisco, Calif.

San Francisco, Calif.

San Francisco, Calif.

San Francisco, Calif.

San Francisco, Calif.

San Francisco, Calif.

San Francisco, Calif.

San Francisco, Calif.

San Francisco, Calif.

San Francisco, Calif.

San Francisco, Calif.

San Francisco, Calif.

San Francisco, Calif.

San Francisco, Calif.

San Francisco, Calif.

San Francisco, Calif.

San Francisco, Calif.

San Francisco, Calif.

San Francisco, Calif.

San Francisco, Calif.

San Francisco, Calif.

San Francisco, Calif.

San Francisco, Calif.

San Francisco, Calif.

San Francisco, Calif.

San Francisco, Calif.

San Francisco, Calif.

San Francisco, Calif.

San Francisco, Calif.

San Francisco, Calif.

San Francisco, Calif.

San Francisco, Calif.

San Francisco, Calif.

San Francisco, Calif.

San Francisco, Calif.

San Francisco, Calif.

San Francisco, Calif.

**TOOLS METALS SHOP SUPPLIES**  
C.W. MARWEDEL  
25 FIRST ST. SAN FRANCISCO  
SEND FOR CATALOGUE

**REPAIR**  
MEMBER  
ESTABLISHED  
1880  
319 First Nat. Bank Bldg.  
San Francisco

**ART FLORAL CO., Inc.**  
247 Powell St., SAN FRANCISCO  
Floral Decorations for All Occasions  
Visit our beautiful Art Display before selecting gifts for Christmas, Valentine and Girl Scout Sales. Vases, Statues and Imported Italian Novelties. Prices \$1 up. Something unusual in gifts for Christmas.

**MacRorie-McLaren Co.**  
LANDSCAPE ARCHITECTS AND GARDENERS  
We specialize in landscape development on Country Estates, Public Parks and School Grounds.  
801 Phelan Bldg., San Francisco  
Phone Douglas 4442  
Narcissus, San Mateo. Phone San Mateo 1002

**A Quiet Home**  
For rent and study with experienced attendants if desired. Guests received only upon application with references. New and modern with refined home atmosphere.  
MRS. ELLA S. TUTTLE, 1434 Balboa St.  
Tel. Pac. 6439 San Francisco

**Queen Quality SHOES**  
214 Post Street, San Francisco

**Bare Bros.**  
214 Post Street, San Francisco

The Following Contracts to Furnish Wholly or in Part Were Executed by Us:  
Under League Club, Fleet, Second, Third, Fourth, Fifth and Ninth Churches, Police, Scientific, San Francisco, Shattuck Hospital, Far Western Travelers Assn.

**MAN'S HOWARD WATCH**  
\$1.00 Down \$2.00 Weekly  
17 Jewel Howard, extra 10% to 3 post-time. Approximate. Grand Period model. Case of 14 karat white gold. 1000 ft. winding. \$1.00 down. \$2.00 weekly. Same price cash or credit. No interest or extras.

**GENSLE-LEE**  
815 Market St., SAN FRANCISCO  
OR WASHINGTON AND 12TH OAKLAND  
412 SOUTH BROADWAY, LOS ANGELES

**Our "Fruit Salad"**  
an unusual feature of our moderate priced menu.

**The States Restaurant**  
Market at Fourth  
SAN FRANCISCO  
Pleasant Surroundings  
Splendid Music  
Prompt Service

**See How Simply Your Gifting Problem Vanishes**  
It is not necessary to spend heavily of money to meet the little needs of the holiday season. In numerous convenient ways your gift requirements can be happily expressed. Your way is the one we will help you choose.

**For Women**  
Powder Boxes ..... \$5.00  
Signet Rings ..... \$6.00  
Rope Pins ..... 1.00  
Rope Pearls (60 in.) 7.50  
Wrist Watches ..... 20.00

**For Men**  
Vest Chains ..... \$5.00  
Signet Rings ..... 7.50  
Scarf Pins ..... 3.50  
Cuff Links ..... 1.50  
Watches ..... 20.00

You will enjoy selecting from our exquisitely beautiful merchandise. Everyone who has visited the ASMUSSEN STUDIO knows how true that is. Of course, we have the more elaborate jewelry, precious metals and stones of rare value to charm the most exacting purchaser. Come in and see.

**W.M. F. ASMUSSEN**  
"The Jeweler Who Knows"  
307 Howard Bldg., Cor. Grant Ave. and Post St.  
SAN FRANCISCO

**San Francisco Association for the Blind**  
2189 Filson St., SAN FRANCISCO, CALIF. Tel. Para 5138

**SUNSHINE FLOWERS**  
A New Novelty—A Candy Flower  
Put in Gift Boxes—Price \$1.25  
We're only a dozen or so in all. Put us in bottles or on the wall. We'll make your home a veritable haven. For we radiate joy, radiance, sunshine.

**LACHMAN BROS.**  
7 Buildings, 22 Floors of Good Homefurnishings  
OUR very large spring purchases of homefurnishings of "the better kind" in the newest styles, are ready for your inspection and approval. The display is of interest to home lovers, well worth seeing. Welcome here, always, whether buying or "just looking."

**Liebes Furs**  
—the standard of quality since 1864. Pre-eminent at gift-time, with those who seek the finest!

**H. Liebes & Co.**  
Grant Avenue at Post Street  
SAN FRANCISCO

**Robert Wallace**  
In The New Walnut Shade  
\$25.00 to \$100.00

**VICTROLA**  
Flat-top, wave-top or upright, its sole purpose is to reproduce with Victor fidelity the sublimity of its Victor artists.

**Sherman, Gray & Co.**  
Kearny and Sutter Sts




## LESSON 5

### PRONOUNCE

[Lessons appear Mondays. Lesson Key sent on application to Education Editor.]

London, Eng.

## COMMERCIAL SCHOOLS

**UNAPPEALED UNIVERSITY COLLEGE**  
  
 Specialized Education for the World of Business  
 325 Puget Sound Bank Bldg.  
 TACOMA, WASHINGTON  
 Write for information

LAKE GROVE : : LONG ISLAND : : NEW-YORK

Chocolates  
Chicago, USA

**WALL PAPERS**  
Professional advice with  
every can of paint sold for home use  
1008 12 Seventh Street  
Sacramento California

126 Massachusetts Avenue  
Boston, Mass.


**DAY SCHOOL**  
WITH NURSERY SCHOOL CLASSES  
HOGNOR, SUSSEX, ENGLAND  
*Principal:*  
**MISS G. WILSON, MISS M. E. WILSON**  
4 Denmark Terrace, Glamis Street  
**ORDERS taken by Arrangement**  
**STUDENT Teachers Trained**

A decorative flourish with symmetrical scrollwork and a small table fragment with the letters 'BO' are visible at the bottom of the page.

**DAY SCHOOL**  
WITH NURSERY SCHOOL CLASSES  
HOGNOR, SUSSEX, ENGLAND  
*Principal:*  
**MISS G. WILSON, MISS M. E. WILSON**  
4 Denmark Terrace, Glamis Street  
**ORDERS taken by Arrangement**  
**STUDENT Teachers Trained**

school stands in 14 acres of partly  
grounds, commanding beautiful views  
of the shore and river. Within easy access  
to London concerts and lectures.

**FULL PARTICULARS APPLY TO**  
**THE PRINCIPAL**  
Tel. 832-nnnnn 2200

**APPEALING COLLEGE**  
  
 Good Education for the World of Business  
 325 Puget Sound Bank Bldg.  
 TACOMA, WASHINGTON  
 Write for information

Member of  
The University of the State  
First Grade to Coll  
LAKE GROVE : : LONG ISLAND

of New York  
ge  
: : NEW YORK



## The Explorer for Beauty

## Hardy's Men and Women—A Contrast

"To save that which was lost"

Large Type Edition,  
Leather, heavy binding, 11.50  
Bible paper, 11.50

FRENCH TRANSLATION  
*Alternative paper of English and  
French*

Cloth, 5.50  
Pocket Edition, cloth, 4.50  
Pocket Edition, morocco 7.00

GERMAN TRANSLATION  
*Alternative paper of English and  
German*

Cloth, 5.50  
Pocket Edition, cloth, 4.50  
Pocket Edition, morocco 7.50

Where no Christian Science  
Reading Room is available the  
book will be sent at the above  
prices, express or postage pre-  
paid, on either domestic or for-  
eign shipments.

The other works of Mrs.  
Eddy may also be read or pur-  
chased at Christian Science  
Reading Rooms, or a complete  
list with descriptions and prices  
will be sent upon application.

Remittance by money order  
or by draft on New York or  
Boston should accompany all  
orders and be made payable to

HARRY I. HUNT,  
Publishers' Agent,  
97 Edmund St., Back Bay Station  
BOSTON, U. S. A.



# Art News and Comment—Musical Events

## California Palace of the Legion of Honor Dedicated

San Francisco, Calif.

Special Correspondence

SAN FRANCISCO celebrated Armistice Day with many patriotic exercises, the most significant of which were the inaugural ceremonies of the art museum known as the California Palace of the Legion of Honor. This building is dedicated to the heroes who served in the World War and to the new art development that will be nourished by peace.

All the activities of the city came to a momentary quiet at noon when 250 buglers stationed throughout the city sounded the call to colors. The furthest west of these buglers stood on the parapet of the new museum and sounded his call against the western sky overlooking the Golden Gate. The fluttering flags of the United States and France entwined in the bright November sunlight. Here in the concourse of the Legion of Honor Palace was indeed an historic moment as hundreds of French and American people bowed their heads in silence for three minutes. As their prayers for lasting peace were surging through, the drumming of airplanes close above in the vibrant blue sky stirred their hearts to memories of the past and with hopes of the future.

Intertwined with reverence to the World War heroes were many gracious thoughts in memory of Adolph B. Spreckels. It was his dream to present a glorious edifice to San Francisco, as a war memorial, and it was shared with him by his wife, Alma de Brettonville Spreckels. In harmony with the splendid gesture of dedicating this gift of a museum of fine arts on Armistice Day were many other incidents that fittingly marked the joining of France and America in the pursuits of peace and arts of peace.

### Greetings From France

A cablegram from Premier Edouard Herriot ends with these words of esteem: "This year will mark the creation of new intellectual ties between France and California." The French Government sent M. Albert Tirman, counselor of state, and M. Jean Guiffrey, director of painting and drawing, to the Legion of Honor to attend the dedication and also to oversee the installation of the loan exhibition sent by France. The inaugural exhibition is wholly of French art, selected from famous French museums and other sources.

M. Tirman, in his speech at the dedication, stated that "France is bound by ties of sympathy and gratitude to the student life of California. To this end all manner of modern equipment has been incorporated in the museum building. A theater, library, studio rooms, study desks and spaces have been provided, and many organizations can be working together under one roof."

During his speech M. Tirman conveyed the message that the donor, Alma de Brettonville Spreckels, had been put on the list of Legion of Honor members.

From this building on its high hill by the sea will spring new impulse to the student life of California. To this end all manner of modern equipment has been incorporated in the museum building. A theater, library, studio rooms, study desks and spaces have been provided, and many organizations can be working together under one roof.

The style of the building is French Renaissance of the period of Louis XVI, which is splendidly adapted to the quiet dignity of a museum. The setting on the highest point of the city, overlooking the ocean, the Golden Gate, and the 70 hills of San Francisco is dramatic and beautiful. There are few monuments in history which have sites equal to this. The classic quality of this museum associates it with the world's greatest temples of beauty, while never losing the original intent and purpose of the building.

The architect, Mr. George A. Applehart, is a graduate of the Ecole des Beaux Arts of Paris and, during the planning of this building, made a personal investigation of all American museums and a study of the construction and equipment of all those in Europe with the result that this building marks a signal advance in art museum design.

On the main floor are 16 exhibition galleries for paintings, sculpture, tapestries, etc. Two garden courts afford variety with fountains, semi-tropical plants, flowers and small sculpture. On the terrace floor are the offices, library, studios, and theater with every necessary equipment. The museum has been planned throughout with the thought of developing it into a great educational institution with study classes in all the various arts and their applied portions.

Illumination in a museum is an important element in the presentation of works of art. The day lighting is brought in at an ideal angle for the various exhibits. Top lighting at an angle of 45 degrees for the painting and sculpture is installed while clear-story lighting, as in cathedrals is provided for the tapestries.

Telephone: 2-2222

WORKS OF ART

FRANK PARTRIDGE

No. 6 West 50th Street

NEW YORK

26 King St., St. James

LONDON, S. W.

estries. For small bas-reliefs, precious wares and other small objects there are proper side lights to bring out their particular beauty. Artificial illumination for the evening exhibitions is projected from concealed sources at the same angle as the natural illumination, to insure equal

accord with the best of modern stagecraft. The spherical horizon, which forms the back of the stage, is a niche-like form that can be used for remarkable effects for distance.

The rotunda is the point of departure for three long galleries destined for exhibitions of tapestries, paintings, sculpture, and graphic arts, while from these lead smaller galleries containing collections of varied arts. Two of these galleries are devoted to the works of Arthur Putnam, the California animal sculptor. His academic studies in France

accord with the best of modern stagecraft. The spherical horizon, which forms the back of the stage, is a niche-like form that can be used for remarkable effects for distance.

The rotunda is the point of departure for three long galleries destined for exhibitions of tapestries, paintings, sculpture, and graphic arts, while from these lead smaller galleries containing collections of varied arts. Two of these galleries are devoted to the works of Arthur Putnam, the California animal sculptor. His academic studies in France

accord with the best of modern stagecraft. The spherical horizon, which forms the back of the stage, is a niche-like form that can be used for remarkable effects for distance.

The rotunda is the point of departure for three long galleries destined for exhibitions of tapestries, paintings, sculpture, and graphic arts, while from these lead smaller galleries containing collections of varied arts. Two of these galleries are devoted to the works of Arthur Putnam, the California animal sculptor. His academic studies in France

accord with the best of modern stagecraft. The spherical horizon, which forms the back of the stage, is a niche-like form that can be used for remarkable effects for distance.

The rotunda is the point of departure for three long galleries destined for exhibitions of tapestries, paintings, sculpture, and graphic arts, while from these lead smaller galleries containing collections of varied arts. Two of these galleries are devoted to the works of Arthur Putnam, the California animal sculptor. His academic studies in France

accord with the best of modern stagecraft. The spherical horizon, which forms the back of the stage, is a niche-like form that can be used for remarkable effects for distance.

The rotunda is the point of departure for three long galleries destined for exhibitions of tapestries, paintings, sculpture, and graphic arts, while from these lead smaller galleries containing collections of varied arts. Two of these galleries are devoted to the works of Arthur Putnam, the California animal sculptor. His academic studies in France

accord with the best of modern stagecraft. The spherical horizon, which forms the back of the stage, is a niche-like form that can be used for remarkable effects for distance.

The rotunda is the point of departure for three long galleries destined for exhibitions of tapestries, paintings, sculpture, and graphic arts, while from these lead smaller galleries containing collections of varied arts. Two of these galleries are devoted to the works of Arthur Putnam, the California animal sculptor. His academic studies in France

accord with the best of modern stagecraft. The spherical horizon, which forms the back of the stage, is a niche-like form that can be used for remarkable effects for distance.

The rotunda is the point of departure for three long galleries destined for exhibitions of tapestries, paintings, sculpture, and graphic arts, while from these lead smaller galleries containing collections of varied arts. Two of these galleries are devoted to the works of Arthur Putnam, the California animal sculptor. His academic studies in France

accord with the best of modern stagecraft. The spherical horizon, which forms the back of the stage, is a niche-like form that can be used for remarkable effects for distance.

The rotunda is the point of departure for three long galleries destined for exhibitions of tapestries, paintings, sculpture, and graphic arts, while from these lead smaller galleries containing collections of varied arts. Two of these galleries are devoted to the works of Arthur Putnam, the California animal sculptor. His academic studies in France

accord with the best of modern stagecraft. The spherical horizon, which forms the back of the stage, is a niche-like form that can be used for remarkable effects for distance.

The rotunda is the point of departure for three long galleries destined for exhibitions of tapestries, paintings, sculpture, and graphic arts, while from these lead smaller galleries containing collections of varied arts. Two of these galleries are devoted to the works of Arthur Putnam, the California animal sculptor. His academic studies in France

accord with the best of modern stagecraft. The spherical horizon, which forms the back of the stage, is a niche-like form that can be used for remarkable effects for distance.

The rotunda is the point of departure for three long galleries destined for exhibitions of tapestries, paintings, sculpture, and graphic arts, while from these lead smaller galleries containing collections of varied arts. Two of these galleries are devoted to the works of Arthur Putnam, the California animal sculptor. His academic studies in France

accord with the best of modern stagecraft. The spherical horizon, which forms the back of the stage, is a niche-like form that can be used for remarkable effects for distance.

The rotunda is the point of departure for three long galleries destined for exhibitions of tapestries, paintings, sculpture, and graphic arts, while from these lead smaller galleries containing collections of varied arts. Two of these galleries are devoted to the works of Arthur Putnam, the California animal sculptor. His academic studies in France

accord with the best of modern stagecraft. The spherical horizon, which forms the back of the stage, is a niche-like form that can be used for remarkable effects for distance.

The rotunda is the point of departure for three long galleries destined for exhibitions of tapestries, paintings, sculpture, and graphic arts, while from these lead smaller galleries containing collections of varied arts. Two of these galleries are devoted to the works of Arthur Putnam, the California animal sculptor. His academic studies in France

accord with the best of modern stagecraft. The spherical horizon, which forms the back of the stage, is a niche-like form that can be used for remarkable effects for distance.

The rotunda is the point of departure for three long galleries destined for exhibitions of tapestries, paintings, sculpture, and graphic arts, while from these lead smaller galleries containing collections of varied arts. Two of these galleries are devoted to the works of Arthur Putnam, the California animal sculptor. His academic studies in France

accord with the best of modern stagecraft. The spherical horizon, which forms the back of the stage, is a niche-like form that can be used for remarkable effects for distance.

The rotunda is the point of departure for three long galleries destined for exhibitions of tapestries, paintings, sculpture, and graphic arts, while from these lead smaller galleries containing collections of varied arts. Two of these galleries are devoted to the works of Arthur Putnam, the California animal sculptor. His academic studies in France

accord with the best of modern stagecraft. The spherical horizon, which forms the back of the stage, is a niche-like form that can be used for remarkable effects for distance.

The rotunda is the point of departure for three long galleries destined for exhibitions of tapestries, paintings, sculpture, and graphic arts, while from these lead smaller galleries containing collections of varied arts. Two of these galleries are devoted to the works of Arthur Putnam, the California animal sculptor. His academic studies in France

accord with the best of modern stagecraft. The spherical horizon, which forms the back of the stage, is a niche-like form that can be used for remarkable effects for distance.

The rotunda is the point of departure for three long galleries destined for exhibitions of tapestries, paintings, sculpture, and graphic arts, while from these lead smaller galleries containing collections of varied arts. Two of these galleries are devoted to the works of Arthur Putnam, the California animal sculptor. His academic studies in France

accord with the best of modern stagecraft. The spherical horizon, which forms the back of the stage, is a niche-like form that can be used for remarkable effects for distance.

The rotunda is the point of departure for three long galleries destined for exhibitions of tapestries, paintings, sculpture, and graphic arts, while from these lead smaller galleries containing collections of varied arts. Two of these galleries are devoted to the works of Arthur Putnam, the California animal sculptor. His academic studies in France

accord with the best of modern stagecraft. The spherical horizon, which forms the back of the stage, is a niche-like form that can be used for remarkable effects for distance.

The rotunda is the point of departure for three long galleries destined for exhibitions of tapestries, paintings, sculpture, and graphic arts, while from these lead smaller galleries containing collections of varied arts. Two of these galleries are devoted to the works of Arthur Putnam, the California animal sculptor. His academic studies in France

accord with the best of modern stagecraft. The spherical horizon, which forms the back of the stage, is a niche-like form that can be used for remarkable effects for distance.

The rotunda is the point of departure for three long galleries destined for exhibitions of tapestries, paintings, sculpture, and graphic arts, while from these lead smaller galleries containing collections of varied arts. Two of these galleries are devoted to the works of Arthur Putnam, the California animal sculptor. His academic studies in France

accord with the best of modern stagecraft. The spherical horizon, which forms the back of the stage, is a niche-like form that can be used for remarkable effects for distance.

The rotunda is the point of departure for three long galleries destined for exhibitions of tapestries, paintings, sculpture, and graphic arts, while from these lead smaller galleries containing collections of varied arts. Two of these galleries are devoted to the works of Arthur Putnam, the California animal sculptor. His academic studies in France

accord with the best of modern stagecraft. The spherical horizon, which forms the back of the stage, is a niche-like form that can be used for remarkable effects for distance.

The rotunda is the point of departure for three long galleries destined for exhibitions of tapestries, paintings, sculpture, and graphic arts, while from these lead smaller galleries containing collections of varied arts. Two of these galleries are devoted to the works of Arthur Putnam, the California animal sculptor. His academic studies in France

accord with the best of modern stagecraft. The spherical horizon, which forms the back of the stage, is a niche-like form that can be used for remarkable effects for distance.

The rotunda is the point of departure for three long galleries destined for exhibitions of tapestries, paintings, sculpture, and graphic arts, while from these lead smaller galleries containing collections of varied arts. Two of these galleries are devoted to the works of Arthur Putnam, the California animal sculptor. His academic studies in France

accord with the best of modern stagecraft. The spherical horizon, which forms the back of the stage, is a niche-like form that can be used for remarkable effects for distance.

The rotunda is the point of departure for three long galleries destined for exhibitions of tapestries, paintings, sculpture, and graphic arts, while from these lead smaller galleries containing collections of varied arts. Two of these galleries are devoted to the works of Arthur Putnam, the California animal sculptor. His academic studies in France

accord with the best of modern stagecraft. The spherical horizon, which forms the back of the stage, is a niche-like form that can be used for remarkable effects for distance.

The rotunda is the point of departure for three long galleries destined for exhibitions of tapestries, paintings, sculpture, and graphic arts, while from these lead smaller galleries containing collections of varied arts. Two of these galleries are devoted to the works of Arthur Putnam, the California animal sculptor. His academic studies in France

accord with the best of modern stagecraft. The spherical horizon, which forms the back of the stage, is a niche-like form that can be used for remarkable effects for distance.

The rotunda is the point of departure for three long galleries destined for exhibitions of tapestries, paintings, sculpture, and graphic arts, while from these lead smaller galleries containing collections of varied arts. Two of these galleries are devoted to the works of Arthur Putnam, the California animal sculptor. His academic studies in France

accord with the best of modern stagecraft. The spherical horizon, which forms the back of the stage, is a niche-like form that can be used for remarkable effects for distance.

## Round the London Galleries

Special from Monitor Bureau

London, Nov. 18

MARK FISHER was born in Boston, U. S. A., studied in Paris under Gleize, and finished his career in London in 1923. An exhibition of his work is now on at the Leicester Galleries and it ever there was proof of the internationality of the art of painting today we

painter Mark Fisher has paid a great deal of attention to the tone gradation from one side of the canvas to the other and equally from top to bottom. This subtle thing is met with most and with the most delightful results in Vermeer's interiors.

And this seems to me the great lesson which Mark Fisher's work has for the present generation of painters who have neglected this important part of the receipt for picture-making.

At the Whitechapel Art Gallery you may travel more than half a dozen leagues by the study of posters. Miss Winifred Guy of the Brighton, Hove and Sussex Grammar School has made a collection of posters for the teaching of geography and we are asked to enjoy it. If the aim of the exhibition is largely educational from the point of view of geography it should be said at once that artistically it is of equal value.

Something like 40 countries are visited through the eyes of their native artists. It is an exhibition which should add immeasurably to our knowledge of what is being done in lithographic art abroad.

Chicago Art Notes

Special from Monitor Bureau

Chicago, Nov. 21

MIDDLE westerners, in the hope that the Mississippi Valley will be the art center of America, strengthen their resolve by organizing numerous art associations outside the larger cities. Thus early in the season national painters in Chicago are represented in Aurora, Rockford and Springfield of Illinois and as far west as Omaha and Boulder, Colo., under the influence of Chicago men and women. More interesting is the renaissance of the out-of-doors sketch class sponta-

neously come to light in the North Shore Art League which embraces Glenview, Ravinia and Lake Bluff north of the city center of Evanston.

The Arts Club of Chicago is yet another story. Its executive board of traveled persons act on the theory that the unique must have its heralds. The Arts Club began half a dozen years ago with the intention of uniting patrons and producing artists, an open forum for friendly cooperation. Then it was discovered that the Art Institute served this purpose while the inarticulate foreigner, French or Russian, had no open door at the present, if not to explain himself, and from this came the present somewhat exotic Arts Club, unlike anything we have ever known, here or abroad.

Abundant means at its command secured the second floor of the new Wrigley Building just north of the Boulevard Bridge, where as one of its friends says it has furnished "a classically imaginative suite of rooms suggestive of Empire and Adam periods," tempered by freedom and individuality, since neither Adam nor the inspiration of the Empire ever enjoyed the gorgeous orange velvet draperies, color effects or detail which beautify this luxurious establishment.

There is a circular entrance lobby paved in marble whose draped arches to the lounge and drawing-room suggest mystery. The oval sculptor's gallery is to have a plaything fountain in its center, and the great exhibition gallery beyond which culminates in a pillared stage with long iridescent rose violet curtains of silk flowing loosely to the floor, is today hung with American exhibit No. 1 of the season. Beyond is the dining room, connected by a long corridor showing paintings from the overflow, and the art of this remarkable interior, one of the "sights" of Chicago, continues in writing rooms, dressing rooms and all the convenience of a fashionable establishment.

Opening this week, American exhibit No. 1 reveals a little known side of familiar painters and introduces others who do not approach American art. The thirty-seventh annual American oils at the Art Institute presents American art in its best manner. On the contrary, the Arts Club has the policy of offering the works of artists off guard. It is true that among the 55 works is a painting "Fisherman" by George Bellows of beauty and sincere values as a work of art. From Abbott Thayer, J. Alden Weir, and John Twachtman are figure paintings. In taste, a typical example of Rockwell Kent, an ancient Duxneek and still more remote canvases by Thomas Eakins.

Frankly, a large number of the paintings show the seamy side of a stock in trade of canvases, that is if one believes that the exercise of the graphic arts should be in the pursuit of beauty and nobility. To understand the motives of the Arts Club, which are to seek out the unusual and to let its members judge as they choose is to take the exhibition as part of the year's program. Here is assembled at great expense, many pictures loaned by generous friends, coming from the glaucomatous eyes of other exhibits about town to the Arts Club, the immediate reaction is that there are varied points of view, biased by different reasons.

L. M. C.

AMUSEMENTS

BOSTON

COPELEY

THE "Romantic Age"

By A. A. MINE

Next Week: SOPHIE TUCKER

CHICAGO

LA SALLE THEATRE, MATINEES

"On Every Tongue"

APPLESAUCE

A Comedy of American Life with

ALLAN DINEHART & CLAIRBORNE FOSTER

COHAN'S GRAND MATINEES

WED. SAT.

7th HEAVEN

With HELEN MENKEN

PRINCESS THEATRE, Chicago

"THE GOOSE HANGS"

With NORMAN TORRES, MAX TROTT, WHITTEN and Katherine Gray. A COMEDY BY LEWIS BEACH

THE SELWYN in association with

ADOLPH KLAUBER Present

JANE COWL

as JULIET

SELWYN THEATRE

MATINEES WEDNESDAY & SATURDAY

PHILADELPHIA

CHESTNUT STREET OPERA HOUSE

GEORGE CHOOS Presents

The Clean Musical Comedy

Mr. BATTLING BUTTLER

With CHARLES RUGLES

Singing and Dancing Company of 25

PRaised by ALL PHILADELPHIA

Matinees Wednesday and Saturday

S. G. RAINS, Auctioneer

Such authors as Stevenson, Kipling, Poe, George Moore, Francis Thompson, in addition to some fine Choice Library Sets of Books, Colored Plate Books, Sporting Books and Framed Autographed Letters.

MAHWAH, N. J.

Mr. Le Roy Ireland's

Collection of First Editions of Books

will be sold on Friday Evening, December 6th, at 8:15

Three East Fifty-third Street, New York

On Exhibition, Today, Tomorrow & Wed., from 10 to 6

An Important Auction Sale

to be held on

Thursday, Friday & Saturday

December 4th, 5th & 6th, each day at 2:30 p. m.

The Magnificent Collection of

MRS. H. FISH

Renaissance, Verdure and Flemish Tapestries, Brocades and Embroideries, Limoges Enamel, Cloisonne, Bronzes, Old Silver, Ivory Miniatures, Tapestry Fire Screens, etc. Also in addition Choice Period Furniture, Old English Oak Cabinets, Tables and Carved Mahogany, Sheraton, Chippendale, Petit Point and Gros Point Chairs and Settees, Diamond Jewelry, Oriental Rugs, Staffordshire Ware, etc.

Also Unsold for Items of Value from

The Emerson McMillin Estate

MAHWAH, N. J.

Mr. Le Roy Ireland's

Collection of First Editions of Books

will be sold on Friday Evening, December 6th, at 8:15

Such authors as Stevenson, Kipling, Poe, George Moore, Francis Thompson, in addition to some fine Choice Library Sets of Books, Colored Plate Books, Sporting Books and Framed Autographed Letters.

MAHWAH, N. J.

Mr. Le Roy Ireland's

Collection of First Editions of Books

will be sold on Friday Evening, December 6th, at 8:15

Such authors as Stevenson, Kipling, Poe, George Moore, Francis Thompson, in addition to some fine Choice Library Sets of Books, Colored Plate Books, Sporting Books and Framed Autographed Letters.

MAHWAH, N. J.

Mr. Le Roy Ireland's

Collection of First Editions of Books

will be sold on Friday Evening, December 6th, at 8:15

Such authors as Stevenson, Kipling, Poe, George Moore, Francis Thompson, in addition to some fine Choice Library Sets of Books, Colored Plate Books, Sporting Books and Framed Autographed Letters.

MAHWAH, N. J.

Mr. Le Roy Ireland's

Collection of First Editions of Books

will be sold on Friday Evening, December 6th, at 8:15

Such authors as Stevenson, Kipling, Poe, George Moore, Francis Thompson, in addition to some fine Choice Library Sets of Books, Colored Plate Books, Sporting Books and Framed Autographed Letters.

MAHWAH, N. J.

Mr. Le Roy Ireland's

Collection of First Editions of Books

will be sold on Friday Evening, December 6th, at 8:15

Such authors as Stevenson, Kipling, Poe, George Moore, Francis Thompson, in addition to some fine Choice Library Sets of Books, Colored Plate Books, Sporting Books and Framed Autographed Letters.

MAHWAH, N. J.

Mr. Le Roy Ireland's

Collection of First Editions of Books

will be sold on Friday Evening, December 6th, at 8:15

Such authors as Stevenson, Kipling, Poe, George Moore, Francis Thompson, in addition to some fine Choice Library Sets of Books, Colored Plate Books, Sporting Books and Framed Autographed Letters.

MAHWAH, N. J.

Mr. Le Roy Ireland's

Collection of First Editions of Books

will



BOSTON, MONDAY, DECEMBER 1, 1924

# BOSTON RADIO SHOW

Regenformer Set Now Classed as International Receiver

## Simple Superheterodyne Set Insuring Good 'DX' Signals Can Be Built Now for \$70

Chicago Experimenter Gives Constructional Details Enabling Merest Amateur to Make Receiver at an Extremely Low Cost

The radio department of The Christian Science Monitor has had a superheterodyne under consideration for a long time, but the development process in getting the right parts and the right circuit has caused this to be delayed until now. One of the finest receivers today is the Western Electric Company's small superheterodyne which operates on six small tubes, giving one stage of audio and the output usually being fed into a power amplifier for real volume work.

This set cannot be purchased on the open market and is only available to those buying radiocasting equipment or to large clubs, etc. Then the price is put at over \$400. This department has long felt that this was an ideal "super" circuit and has sought until the proper parts for such a set were available. The circuit to be described may be built of various makes of parts, but strict adherence to the specified apparatus is recommended. As to radiation, the chief fault has been that most of them demanded an antenna for real "DX" work and then were designed in such a way that when put on an antenna the neighborhood had a greater nuisance than the single circuit set. With a loop, radiation is cut down to a very small, practical limit. This set must be kept on a loop. The loop gets it down to the faint level and any further amplification would merely mean noise. In this set an extra stage of audio has been added to step up those real long distance stations. It seldom has to be used.

Here is an opportunity to have about the last word in superheterodyne design, a set the practical equivalent of one costing over \$400, the total cost to the constructor being about \$70. Mr. Murdo Silver, the designer, is a superheterodyne specialist. He is a well-known Chicago experimenter.

By MURDO SILVER

Superheterodyne designs have come and gone, and very few of the sets heralded only a year ago as being perfect are still here and enjoying popularity. Aside from the fact that the fans are always seeking something new and novel, the last year has seen remarkable strides made in the simplification of this ideal receiving system. Each step forward has been taken with the thought always in the mind of the engineer that this set must be brought down to a simple assembly, where the average man with no idea of what goes on in the circuits could take certain parts, unearthing his pliers, screwdriver and soldering iron and assemble these parts into an entirely satisfactory receiver which would operate without the builder's taking a course in electrical engineering.

The result is the set shown in the accompanying picture, a wiring diagram of which is also given. The entire set is 24 inches long and is mounted on a standard 7x24 panel and baseboard. The equipment used may be purchased on the market, and involves no special constructional work, or the prospective builder may find much of it in his possession. The entire cost of the equipment less tubes, batteries, and accessories is about \$70, although by the use of cheaper but fully satisfactory parts it may be reduced to about \$60.

Option as to Tubes

The set itself incorporates first a detector which is regenerative, an oscillator, two stages of intermediate amplification, a second detector and two stages of audio amplification. The general design is along the lines of the latest Western Electric superheterodyne and the Signal Corps and Navy Department "super." Any standard tubes may be used in the set such as WD11, WD12, 1958, DVS, 901A or DVS. This means that the set can be adapted to any battery requirements that the builder may wish to conform to, and in this respect differs from all superheterodyne designs heretofore presented.

The special feature of the set is the intermediate amplifier which employs but two stages. The transformers used are of the iron core type especially designed for super work, and operate at approximately 30K, or 6000 meters. The amplification is roughly 35 per stage (voltage) for CV199, DVS or WD12 tubes; whereas it is from 50 to 55 per stage with UV201As or DVSs. This extremely high amplification, about 12 to 24 times that of average transformers, renders the set extremely sensitive and accounts for its giving results which are equal or better than those obtained from most 8-tube sets, only 7 tubes are employed, and the

(Continued on Page 14, Column 1)

## Low Waves Are Rich Legacy for Radio Amateurs

Their Use for Radiocasting to Open New Field—Set Changes Necessary

WASHINGTON, Dec. 1 (Special)—Experimentally, radio engineers in France have transmitted directional communications on a wavelength as low as two meters. In the United States, the practicability of sending and receiving radio signals over short distances on wavelengths between 10 and 100 meters have been demonstrated. Thus, it would seem that the future development of radio is within the realm of making use of these idle channels or bands of wavelengths, both as a means of reducing interference caused by the proximity of frequencies assigned transmitting stations and in order to break new ground in radio science.

Dr. George K. Burgess, director of the Bureau of Standards, presents the possibilities of developmental work in short waves in pleasing terms when he says: "In the exploitation of the high frequencies the radio world finds itself in the position of a person who has fallen heir to a rich legacy, for there is now available for actual use a region roughly twice as great as radio had at its disposal a year ago." The director of the Bureau of Standards, however, draws a distinction between the theoretical use and utility value of these great numbers of idle wave bands.

## 3-TUBE REFLEX IS IMPROVED IN TRANSFORMERS

Browning-Drake Idea Is Incorporated to Advantage of Set

By VOLNEY D. HURD

A three-tube reflex designed by the writer was published in The Christian Science Monitor early in June. The circuit was devised over a year ago and the remaining work on it has been in the way of improved constants. It seems that it is not so much a case of new circuits that the next development in radio will show, as more thoroughly designed units for our established circuits. At the time this set was presented the need for a simple receiver that would prove stable under ordinary circumstances and would be simple to construct led to the adoption of a type of transformer that since that time has gained some prominence. David Grimes is using this type of transformer in its exact form in his Inverse Duplex circuit. It consists of a honeycomb coil for a secondary and a few turns of wire wrapped about it for a primary.

Spider-web transformers have also been used of the old-fashioned type, wound "staggered fashion" on a set of spokes. Small transformers with No. 28 wire such as have been used in the so-called Harkness circuit were also used in this receiver. But the tuned radio frequency transformer was still a father hit-and-miss affair.

**Transformer Development**—Since this circuit was developed the splendid work done by Glenn H. Browning and Fred H. Drake have been made available not only to the writer but to the public through the columns of this newspaper. With the development of the regenerative receiver all other work was dropped until this set had been developed to a stable point.

During the last few months this work has been carried on and a splendid receiver has been developed. The work is not finished by any means as such a radical change of constants demands a considerable amount of patience until the various

(Continued on Page 12, Column 5)

## Move to Insure Religious Tolerance in All Radiocasting Is Undertaken

Special to The Christian Science Monitor

Washington, Dec. 1.—A movement headed by the San Diego (Calif.) Radio Club is successful. Realizing the power of radio and its influence for good if directed in proper channels, the club has resolved to prevent the radiocasting of any attack on the religious or political views of another. A copy of the resolution which has been received by the United States Department of Commerce follows:

Whereas, The radio has taken an abiding place in the home life of our people, and is daily becoming more and more a household convenience, if not a household necessity, and is not only a splendid means of entertainment, but of instruction, therefore be it

Resolved, That it is the sense of the San Diego Radio Club that radiocasting should be limited to entertainment and instruction, and that there should not be permitted the broadcasting of any address or discussion wherein the motives, the convictions, or the character of any person, sect, creed or body are assailed or impugned. That a liberal opportunity should be given for the expression of views on questions upon which the public, or any portion thereof, is interested, be they religious, political, scientific or otherwise, but that no speaker should be permitted to broadcast any attack upon the political or religious views of another, or in any manner or form to assail the motives, or the integrity of any person. Be it further

Resolved, That these resolutions be spread upon our minutes and a copy thereof furnished to the Department of Commerce, supervisor of radio, and the radio broadcast institution in our State, and also to all radio clubs and societies, urging upon them the adoption of a similar resolution.

## FIRST RADIO BEAM STATION IN BRITISH EMPIRE'S CHAIN TO BE ERECTED IN CANADA

Office to Be in Montreal With Sending Unit at Drummondville and Receiving Set at Yamachiche—Two More Stations to Be Constructed in the Dominion

MONTREAL, Nov. 24 (Special)—Plans are now mature by which the first of the Empire wireless chain units will be constructed in Canada. This will be located within a few miles of Montreal.

The first station will comprise two units: the sending station to be located at Drummondville and the receiving station at Yamachiche. Each will comprise all that is most modern and will operate under the revolutionary "beam" system, the latest development of Guglielmo Marconi.

These stations, immediately upon their completion, will enter into direct communication with the large new beam station being erected in England by the Marconi Company for communication with Canada.

(Continued on Page 14, Column 1)

## REGENAFORMER SET HOLDS OWN IN WORLD TEST

Good Gridleak Is Found Necessary in Browning-Drake Circuit

The reception of several European stations by fans in various parts of the country during the transatlantic tests last week has definitely established the Browning-Drake regenafomer receiver as an international radiocast receiver. Reports have been received from a point as far west as Duluth, Minn.

The Minnesota enthusiast is Arvid Wickstrom, an electrical engineer. His letter reads in part: "In the recent tests for European reception on Nov. 24 and 25, I found that on the 24th reception could not be cleared up, but indicated that radiocasting was being done on various wavelengths. On the 25th I heard a vocal solo with piano accompaniment at about 10:15 p. m. on approximately 365 meters, and later at 10:40 p. m. heard a mandolin solo on approximately 400 meters. At the time of announcing the reception was fading and could not make out names of stations."

Heard on Loudspeaker

"This set is the only one I know of having been built in this part of the country, and an very much pleased with the above results, which can be verified by friends who witnessed this reception, which was brought in on a loudspeaker made of a Baldwin unit attached to an Edison phonograph."

The set shown in the accompanying photographs, operated in Boston, brought in England and Belgium the first two nights of the tests, the second night the remarkable feat being the hearing of the British Broadcasting Company announcing while using only a 20-foot inside antenna. The reception the first night was so strong, on but one stage of audio, that several persons in the room heard piano notes while the listeners were still wearing the headphones close to their ears.

Friday night a fan in Brookline,

(Continued on Page 12, Column 7)

## BOSTON RADIO SHOW WITH RARE EXHIBITS OPENED TO THROGS

Mechanics Building Houses the Greatest Collection of Apparatus Ever Seen in New England

## RADIOCASTING OF PICTURES TO BE EXPOSITION FEATURE

100-Watt Station, WTAT, to Be in Operation—Capt. Donald B. MacMillan to Relate His Arctic Experiences—Bowdoin Outfit Seen

Boston's largest radio show, the Fourth Annual Boston Radio Exposition, combining displays of the latest products of foremost American and European radio manufacturers with features never before seen at any large show, opened at the Mechanics Building today with thousands of radio enthusiasts flocking in when the doors were opened at one o'clock. According to figures given by Sheldon Fairbanks, manager of the show, visitors are witnessing the largest exhibition of radio receiving apparatus ever shown under one roof in New England.

More than 150 manufacturers and jobbers of radio equipment are showing their newest models in receiving apparatus at this show, including all types from the lowly crystal detector to the most powerful receivers of eight and ten tubes. Every available space in the exposition hall is taken, and at the last minute before the show opened it was necessary to secure Paul Revere Hall.

Before the exhibition was opened to the public this afternoon, a two-hour period was given over to the special show for the trade. From 11 a. m. to 1 p. m. hundreds of radio dealers and manufacturers and their representatives went over the building and surveyed the various exhibits.

The greatest individual feature ever presented at a radio show has been obtained for Boston fans—an actual demonstration of the transmitting and receiving of pictures and written messages by radio. C. Francis Jenkins, internationally famous inventor of Washington, has virtually moved his laboratory from the Capital to the Boston show for the entire week. He is in attendance and at each demonstration he explains in easily understood, non-technical language just how this marvelous feat is accomplished. A special hall at Mechanics Building is reserved exclusively for this radio pictures exhibit.

Capt. Donald B. MacMillan, world-famous Arctic explorer, who has just returned from the Far North in his tiny schooner Bowdoin, is appearing at the show. His experiences and his story of the radio programs and communication received while the ship was frozen into the ice within 10 degrees of the North Pole should interest not only every radio fan but the few who are not.

In addition to Captain MacMillan, Dona d. H. Mix, radio operator of the Bowdoin, who was chosen by the American Radio Relay League to go on the expedition, is also present, with all radio equipment used in the little schooner. The Edison Light radio acting department exhibits one of the most nearly complete exhibits of radiocasting ever given to the public. As a space on the main floor of the exhibition hall visitors to the show may only see and hear the program put on in the model studio, but they also see WTAT, the 100-watt Edison station in action.

The number of registered listeners in Germany is set at 25,000, and in the United States at 100,000. In Berlin alone, the first German city to radiocast, are 130,000 registered listeners in, while how many there are who do not see WTAT, the 100-watt Edison station in action, cannot be known.

(Continued on Page 12, Column 7)

**The GREATER Neutrodyne EAGLE Balanced Receiver**

New Model B  
5 Tubes  
\$175.00

See this Remarkable Receiver at the Show!

The GOOD WILL of Eagle users could not be bought and nothing would insure it except the CONSCIENTIOUS SKILL and supervision that takes no thought of immediate profit. You should not be satisfied with any radio receiver which has not won such striking RECOGNITION.

Eagle Literature Contains Valuable Information Write for it NOW!

THE EAGLE RADIO COMPANY

ROSELAND, N. J.

Radio Traditions Shattered by

BRINGING in great distances where other sets had failed—overcoming the most obstinate conditions with enormous reserve power and split-hair selectivity—the new Sleeper Monotrol has ridden rough shod over local radio traditions in all sections of the country. Meet all demands—make good reception possible in all localities.

The New Sleeper MONOTROL

Write for "How to Choose a Radio"

This unique and interesting booklet FREE at your request.

SLEEPER RADIO CORPORATION

438 Washington Ave., Dept. L, Long Island City, New York

**SILVER SUPERS**

THE 7-TUBE WONDER SETS

Sea to Sea With Loud Speaker Volume on an 18 in. Loop

EASY TO BUILD

You need only a pliers, screwdriver, soldering iron and the book of instructions. Silver Supers are so simple that you can build them on your kitchen table. The 7-Tube Wonder Receivers have set records on other sets in a new class of sets of make or price. They're beyond compare.

AT LOW COST

Silver Supers outperform every other receiver, regardless of make or price. \$500—Oakland—received in N. Y. State on a Silver Super with loud speaker volume on an 18-inch loop—four nights in a row—last and West Coast stations heard regularly in Chicago with similar volume.

Parts for Laboratory Model, \$63.50  
Parts for Portable Model, \$57.65

Shipments Prepaid East of Rockies Mail Orders a Specialty

WRITE for the "Why of Silver Supers." It will convince you, too, sets, the ultimate in superheterodynes.

Send for the "WHY" today—it's free.

E. Dist., 20th Century Radio Corp., 102 Flatbush Ave., Brooklyn, N. Y.

**Silver-Marshall, Inc.**

105 South Wabash Avenue Chicago

**B-D REGENAFORMER**

YOU can't build a better set than the Browning-Drake Regenafomer. It was described in detail in The Christian Science Monitor; the Monitor approved it. Now Monitor readers are acclaiming it.

This complete set of parts takes every bit of hard work out of the construction of the B-D Regenafomer. All the parts are included, there is nothing more to buy. The panels are completely drilled and superbly engraved. The original licensed B-D tuning units made by the National Co. are included. The instructions are explicit, there is no possibility of going wrong.

We will ship the complete set of parts for the B-D Regenafomer postpaid on receipt of \$55. Make your remittance today!

**DURRANT RADIO**

52 Vanderbilt Avenue NYC

COMPLETE PARTS \$55



## BASKET-WOUND COIL PROVES EFFICIENT SELF-NEUTRALIZER

Losses Resulting From Small Number of Turns in Primary Is Offset to a Great Extent by High Coefficient of Coupling Between Primary and Secondary

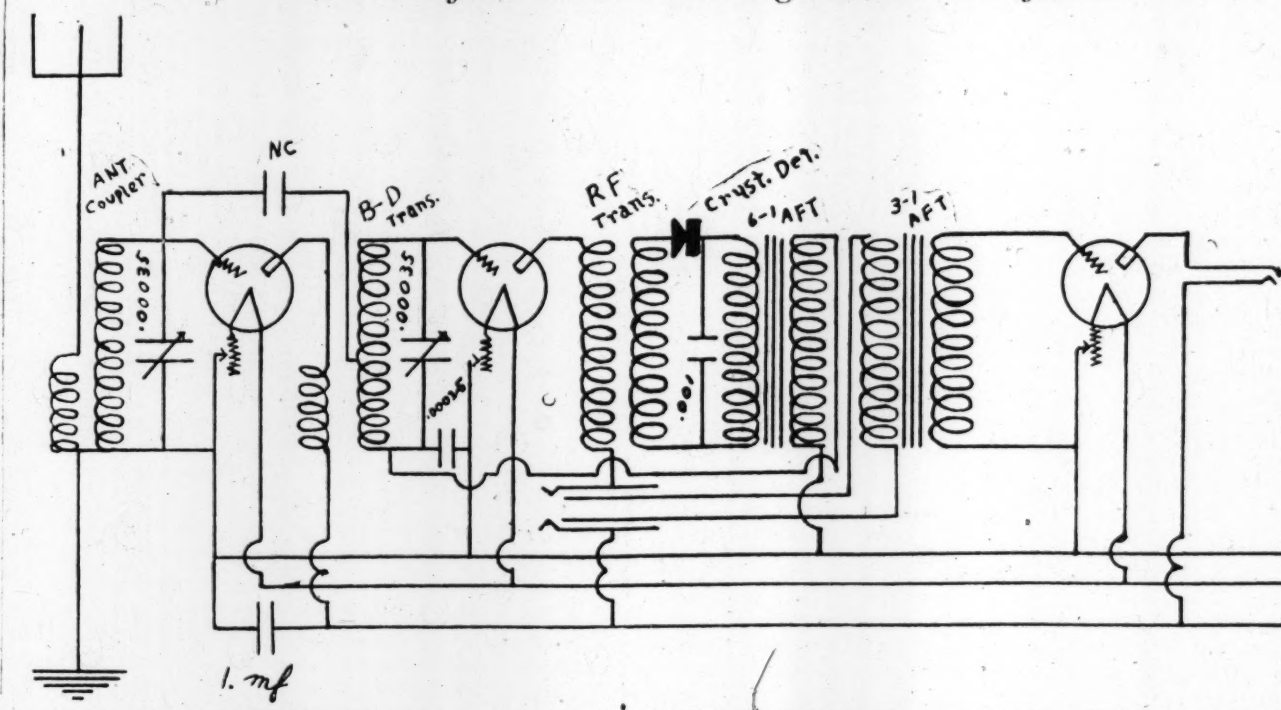
With the many circuits on the market today involving the use of tuned radio frequency one of the principal objections is that the home constructor has difficulty in getting a circuit that is perfectly stable, that is, one that will not break into oscillation, not only disturbing his own reception but that of the surrounding neighborhood.

There have been many attempts to overcome this condition. The most familiar form has been the potentiometer. This is a sure way of stabilizing a circuit but it usually incurs a great loss of efficiency. One of the surprising things the writer noticed at the New York and Chicago shows was the fact that many manufacturers had lapsed into the use of this method of stabilization usually calling the potentiometer the volume control.

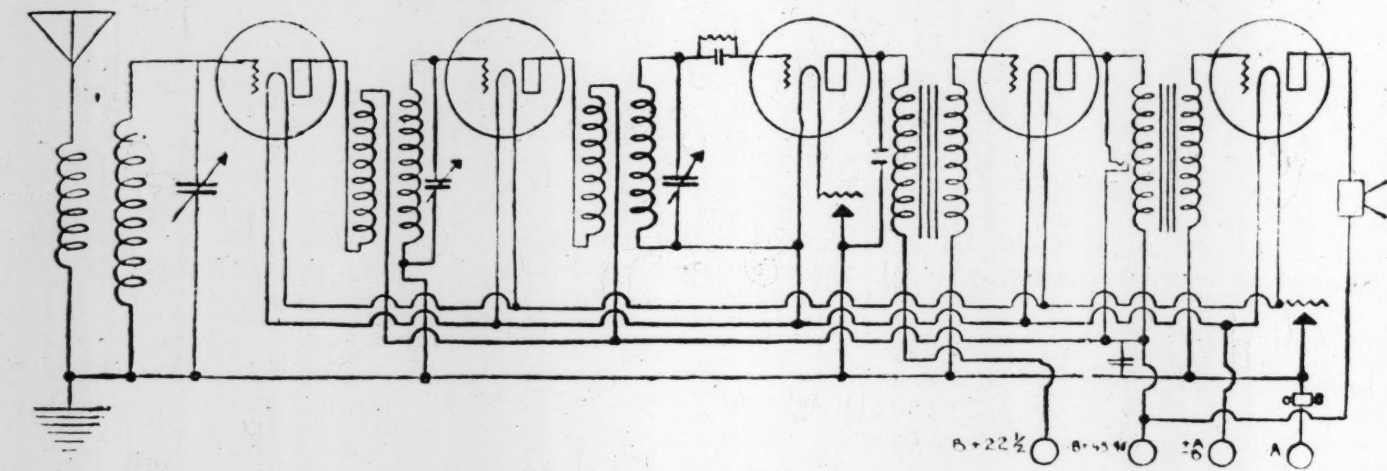
Early in the year several so-called self-neutralized coil devices appeared. Some were incised in com-

pleted cut the wire, leaving it long enough for a suitable lead. In order to interleave the inductance so as to slide it off the form without collapsing, secure a medium-size darning needle and a spool of white thread, and guide the needle through the corner next to peg from the top of the coil. Recess A on the bottom of the form will enable you to go past the form with needle and thread.

Now pass the needle from the bottom of the coil through the other corner, next to pin No. 1. Hold the end of the thread with one hand, and pull it tight with the other. Next guide the needle from top of coil through



### Five-Tube Circuit Using Self-Neutralizing Coil



This circuit consists of two stages of tuned radio frequency, a detector and two stages of audio. The variable condensers are about .00035 capacity while a .002 by-pass condenser is put across the primary of the first audio transformer.

position shells and many other forms. These devices promised tuned radio frequency with inherently balanced coils so that no neutralization such as is used in the neutrodyne, was necessary. Again the trouble seemed lack of efficiency. The sets were stable enough but they had but little "kick" to them.

The readers who have studied the Browning-Drake transformer design in these columns realize the demands for the utmost efficiency in transformers. In all of these self-neutralized transformers the stability was achieved by cutting down the number of primary turns so low that the grid circuit did not produce enough reaction on the plate circuit of the preceding tube to cause oscillation.

#### Freshman Coil

The average neutrodyne coil has a small number of turns, about the same as many of the self-neutralized units, but the feedback in that case is more often due to coupling between circuits, more or less eliminated by certain forms of self-neutralized coils. One of the best of these coils that has come to our notice is called the Freshman coil. It is a basket-weave coil with the same formula of a small number of turns in the primary. The usual inefficiency resulting from this practice is in this case offset to a great degree by the high coefficient of coupling between the primary and secondary which in some transformers measures as high as .75. This means that while the energy fed into the secondary is small, still in the actual transformer action the greater part of this energy is utilized. In this way an efficient unit of the self-neutralized type has been reached. This may be used according to the accompanying diagram in a regular five-tube circuit. Because of the stability of these transformers they lend themselves to many variations in all sorts of circuits where stability for the home-constructor

completes the wire, leaving it long enough for a suitable lead. In order to interleave the inductance so as to slide it off the form without collapsing, secure a medium-size darning needle and a spool of white thread, and guide the needle through the corner next to peg from the top of the coil. Recess A on the bottom of the form will enable you to go past the form with needle and thread.

Now pass the needle from the bottom of the coil through the other corner, next to pin No. 1. Hold the end of the thread with one hand, and pull it tight with the other. Next guide the needle from top of coil through

When interlacing is done up to peg No. 2, lace the thread the second time through the corner, next to peg No. 1. This loops the turn around peg 1 twice, and after the ends of

The parts used are as follows:  
1. Antenna coupling coil.  
2. Browning-Drake transformer.  
3. .00035 low loss condensers such as the Cardwell, National, X laboratories, etc.  
4. 6 to 1 Erla audio transformer.  
5. 1 1/2 to 1 Erla audio transformer.  
6. Erla or Dubilier untuned R. F.

(Continued on Page 14, Col. 1)



Model VI, (14" horn) \$30  
Model VII, (21" horn) \$35  
Model VIII, Cabinet \$35

Connect Music Master in place of headphones. No batteries required. No adjustments.

*A Gift That*

*Continues To Give*

A MUSIC MASTER for Christmas! A gift the whole family will enjoy. A gift that re-creates in pure, audible tones all that's best in thought and entertainment, broadcast from five hundred stations daily.

Choose from what program you will—the variety is limitless. Whether voice or instrument, the words or musical notes will pour forth from MUSIC MASTER clear and natural—as though the speaker or artist were there before you.

The reproducing unit is extremely sensitive and responds to the faintest impulses. The tone chamber is cast aluminum, unequalled for developing sound waves free from distortion. And the amplifying horn is natural wood, mellow and resonant like a violin.

Have you heard MUSIC MASTER? Your dealer will be glad to demonstrate it for you, or to place one in your home on trial.

MUSIC MASTER CORPORATION  
Makers and Distributors of High-Grade Radio Apparatus

Chicago      Tenth and Cherry Streets      Pittsburgh  
Philadelphia

**Music Master**  
RADIO REPRODUCER

## FRESHMAN MASTERPIECE

\$60



*Just The Thing for Christmas!*

A 5 Tube Tuned Radio Frequency Receiver

made of the finest low loss materials and in a beautiful genuine solid mahogany cabinet, that is attractive enough for the most pretentious room, and at sixty dollars, economical enough for the most modest. Users claim it is

"The Greatest Value Ever Offered in a Radio Receiving Set"

Combines all points essential to the perfect receiver. Real distance reception without that squealing and howling. So selective that once a station is picked up—it can be brought in again at the same points on the dial, whenever you want it. And what's more.

It is Mighty Easy to Operate

Chas. Freshman Co. Inc.  
Radio & Condenser Products  
106 Seventh Ave. New York, U.S.A.

Ask your dealer to install one in your home. Beware of Imitations and Counterfeits.

## Hurd Reflex With Browning-Drake Transformer

## REGENAFORMER SET PROVES ITS CLASS IN WORLD TESTS

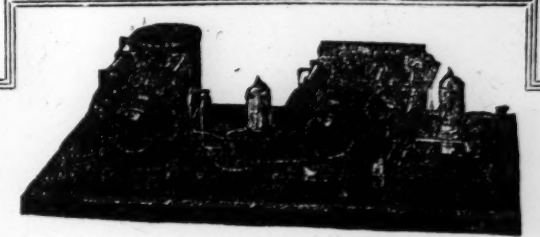
(Continued from Page 11)

Mass., reported hearing Eiffel Tower announce very clearly, also programs in Spanish and German at wavelengths which would indicate that both these countries were being received.

One most important point has come up in the construction of this receiver. That is the gridleak. We could say gridleak and keep on saying it for hours and still not impress upon the readers the necessity of using a good leak at this point. Sets that had no energy at all suddenly took a new interest in distance work when a proper adjustment of the gridleak was tried. Working with our variable leaks we finally narrowed down the Electro-Variohm as the best adjustable type for this circuit. It is therefore recommended to readers who are having difficulty with their set. An equally good condenser must also be used at this point.

Broad tuning invariably can be traced to too high a capacity in the series antenna condenser. These, unfortunately, are seldom very accurate and one should get such a condenser that has been measured up somewhere near the right value.

In the set shown in the accompanying photograph, a very neat layout is obtained by using Samson audio transformers, a 6 to 1 being used in the first stage and a 3 to 1 in the second. These are mounted upside down, the binding posts extending through the sub-panel where the variable connections are made. This set was designed and built by the L. H. down to the Electro-Variohm as the best adjustable type for this circuit. It is therefore recommended to readers who are having difficulty with their set. An equally good condenser must also be used at this point.



**Enthusiastically Approved!**  
for extreme selectivity and distance-getting ability.

First introduced by The Christian Science Monitor. Recently endorsed by radio editors of five Boston newspapers.

**The NATIONAL REGENAFORMER** [Patents Pending]  
for the Browning-Drake Receiver

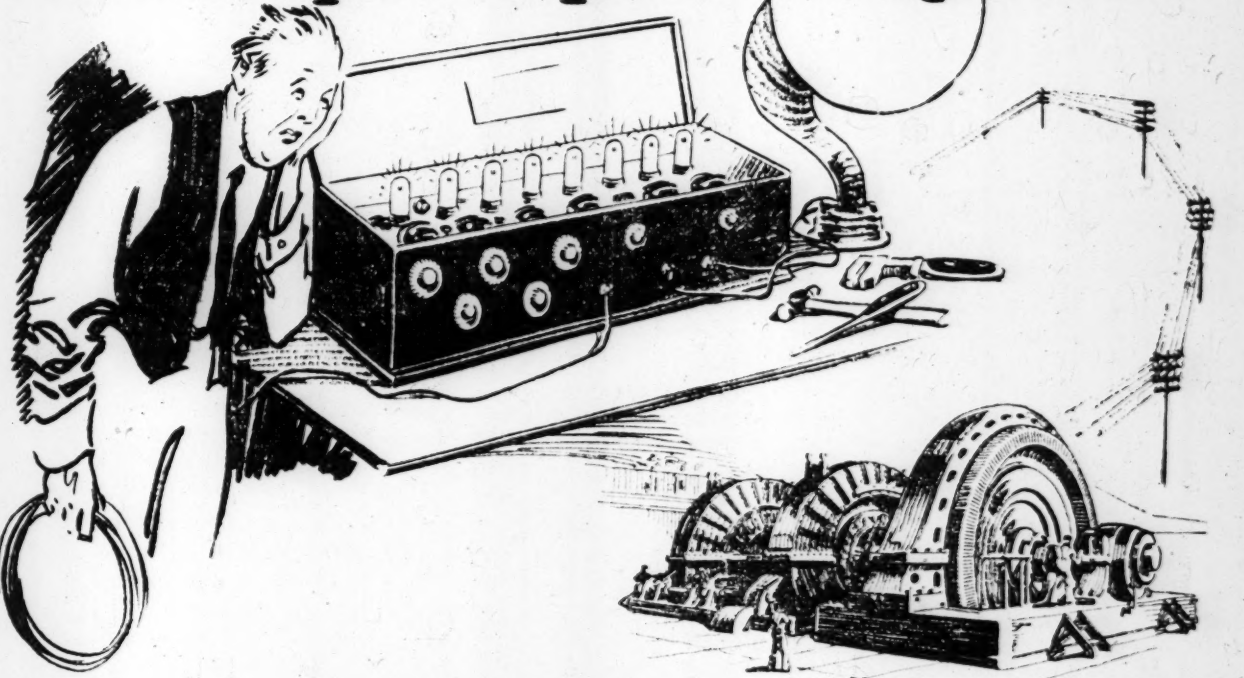
Ask your dealer for the NATIONAL REGENAFORMER KIT, consisting of:  
1 National Regenaformer, 1 National Antenna Inductance,  
1 National .00035 Vetter Verrier Condenser with 4" Dial, 1 Set of Hardware,  
1 National .00035 Vetter Verrier Condenser with 4" Dial, 1 Set of Instructions for Wiring.

PRICE \$22.00

Coils completely mounted on back of chassis ready for wiring.

Manufactured by NATIONAL CO., Inc., 115 Brookline St., Cambridge, Mass.

## Why have a radio set that takes a power plant to operate?



**When a 3 Tube Receiver will do the work!**

Look at him!

There he is—after toting home a basket full of tubes—expensive tubes, tubes that cost real money and take a power plant to operate. He's put them in his set, all right. He's thrown on the juice.

More money! First a small fortune for tubes. Then expensive drain on his batteries. Oh, man! Next time he'll know better.

Why should you use a flock of tubes? Why? When 3 tubes do the work of 6. 3 tubes! Do you get it? 3 tubes in the new Grimes Official Laboratory Model 3X-P—a real set. Tune in on this new Inverse Duplex Receiver. Its cost is so small; but, oh boy, how it does work.

See it! Hear it! Buy it!

**DAVID GRIMES, Inc.**

Strand Theatre Building NEW YORK, N. Y.

See our exhibit at Boston Radio Show, Mechanics Building, Booth 246

New England Distributors  
NEW ENGLAND TALKING MACHINE CO.  
93 Federal Street, Boston, Mass.



Type 3 X-P Official Laboratory Model

Price \$85

EAST OF THE ROCKIES

Without Accessories

**INVERSE DUPLEX**  
Insures Natural Tone Quality

LICENSED UNDER PATENTS ISSUED AND PENDING



# Radio Direction Finding Is Making Possible the Success of Commercial Aviation

Time Is Not Far Distant When Radio Beacons Will Be Functioning at All Airway Terminals—Compass Operation Described

The following article, giving detailed information on radio direction finding as used on army aircraft, has been prepared for The Christian Science Monitor by the Chief of Air Service, United States War Department. It sheds new light on the use of radio compasses and radio beacons and is recommended for careful study by advanced students of radio.

Great strides have been made since the war in the perfecting of means to assist the airplane in holding a true course from starting point to goal. This has been necessitated, in view of the greater distances and the rougher country covered in general flying. The establishing of landmarks has been widely carried out. The earth inductor compass has been developed to correct the errors of the old magnetic compass. Aerial beacons light the skies for a radius of many miles for an airplane flying by night. The sextant has been adapted to airplane use and successfully tried out as a location finder under certain conditions when the earth is hidden by clouds and the heavens are clear above.

But to aid an airplane flying by night at a distance to find its course and to guide it to its destination, straight as a homing pigeon flies, nothing promises so sure and simple a solution as the radio direction finder.

Radio direction finding systems may be divided into two groups: those in which the directional effect

the loop antenna forms part of the receiving unit. This may be installed in the airplane in one of two ways. Either the loop is fastened stationary to the wing of the airplane, or a rotating coil or loop is set up in the fuselage. In either case, the airplane receives signals from nondirectional transmitting stations and with the aid of the loop antenna determines its position in relation to those stations or a single station. If the fixed loop system is used, the pilot rotates the loop antenna by rotating the airplane itself, noting the strength of the signals for its various positions and heading it in the direction of the maximum signal, which will come when the plane of the loop is on a straight line between the airplane and the transmitting or home station.

This is called the "wing coil" or "homing" system and is especially adapted for small single-seater airplanes, flying directly from one point to another known point. In larger airplanes or airships which use rotatable loops, the navigator turns the loop until the maximum sound is

loudest, which will be the actual direction of the transmitting station. This system is especially valuable in guiding a ship at a distance into a harbor, and is more used in maritime than in air navigation. It would, however, be a great aid to an airplane pilot completely bewildered as to his bearings. The unidirectional system may form part of the directive reception or the directive transmitting systems, but is more frequently used with the latter, as the directive reception apparatus when attached to an airplane or airship is kept as simple and compact as possible, and a double antenna installation would not be especially favored.

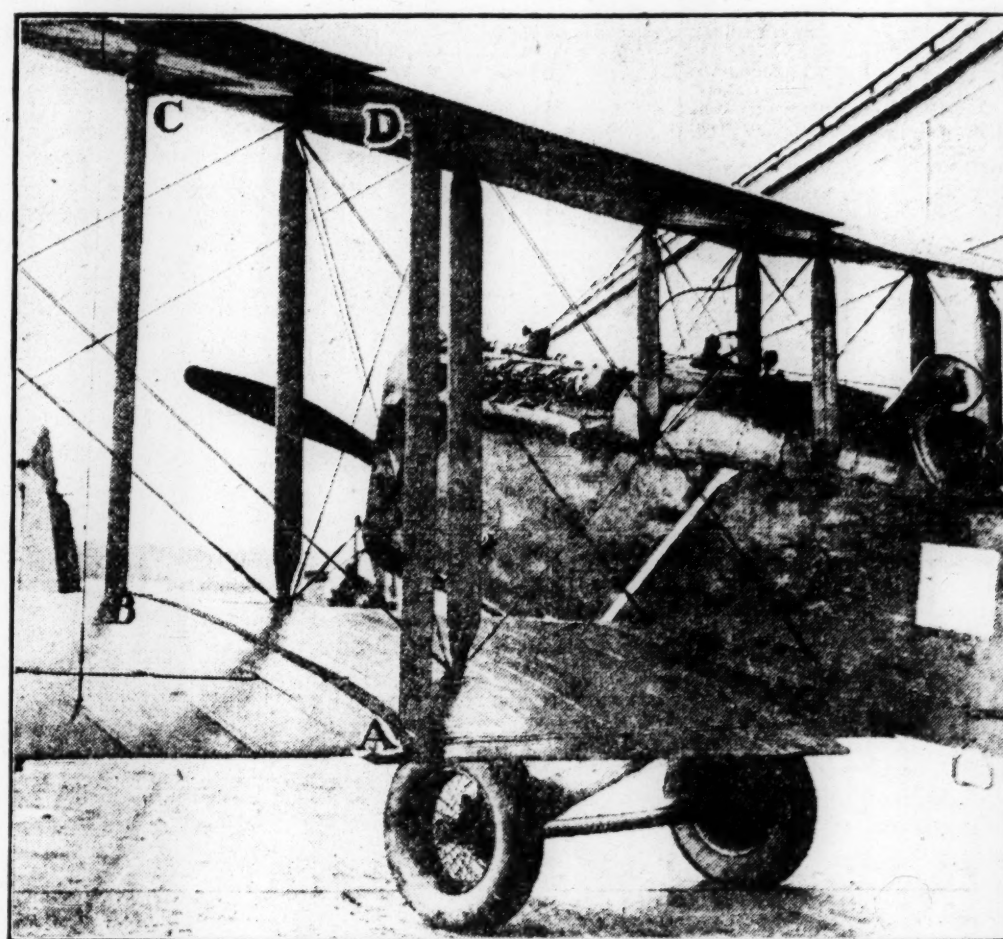
## Second Bearing Necessary

Should the unidirectional system not be installed, however, the question of where T would lie along the line R3-T1 could still be easily settled. The pilot would simply take a second bearing, after a short time interval, along the course the airplane had been flying. Thus in Figure 2, if the signals received by revolving the loop indicated that the transmitting station lay along the line T-T1 while flying the course A-B, at a bearing taken at L, by continuing along the course a short distance and taking a second bearing at B, the transmitting station would unquestionably be placed along the line B-C at T. When several transmitting stations lie along the course of an airplane, directional reception can be employed as indicated in Figure 3. Bearings are taken on each of the transmitting stations whose positions are known, the line between the airplane and

having the fixed loop system, where the whole airplane would have to be rotated for each bearing. Even with the rotary loop system gross errors in bearings are introduced by the metallic masses and wiring which can only be partly compensated for by intricate compensating devices. If, however, a certain transmitting ground station is used as an object toward which a flight is to be made, rotating and even fixed coils operate in quite a satisfactory manner.

## Finding Invisible Targets

Directional receiving systems have numerous further uses, among which are the location of enemy stations, airplanes or invisible targets. This was practiced to such an extent during the World War, that the discovery of enemy radio stations was commonly made and battery fire directed to such spots. This applies mainly to radio receiving land stations. Similar stations especially equipped succeeded in locating enemy aircraft and submarines which betrayed their presence when sending out signals. It was a comparatively easy matter then for two receiving stations to follow the enemy aircraft on its travels even if it were at a considerable distance



D.H. Type Airplane, Showing Loop, ABCD, Installed in Wing Framework.

shortened. Hence the distance to which the signals must be transmitted and the degree of accuracy desired necessarily govern the degree of the angle.

## Same Angular Relation

Both loops bear the same angular relation to any given point along the bisecting line, which explains the equality of the two sounds which form the signals. If the pilot flies slightly off the course which forms the bisecting line of the angle, the sound of the signals will become unequal, since the angular relation of this point and the plane of one loop has increased and that between the point and the plane of the other loop has decreased. He will then change the course of his airplane until the signals register equally once more in his receiving instrument. The usual trailing wire antenna and receiving equipment are used in the airplane, but special ground apparatus is employed which allows alternate transmission on the two loops with distinctive characters for each one. These characters inform the pilot whether he is to the right or the left of the equidistant line.

The disadvantage of this system is that the loops are operated at a point 20 degrees from the horizontal and a greater part of the energy is radiated in directions where it does no good to anyone and might be a source of interference with general radio communication. This is overcome to a certain extent, however, by the assignment of a special wavelength to radio beacons and no report of such interference during the testing of this equipment was received except from radiostations located near the station. During these tests the pilots flew out and deliberately lost themselves. In each case they were able to pick up the course in a short time and return promptly to the home station.

## Radio Direction Finder Aids Ship in Kara Sea

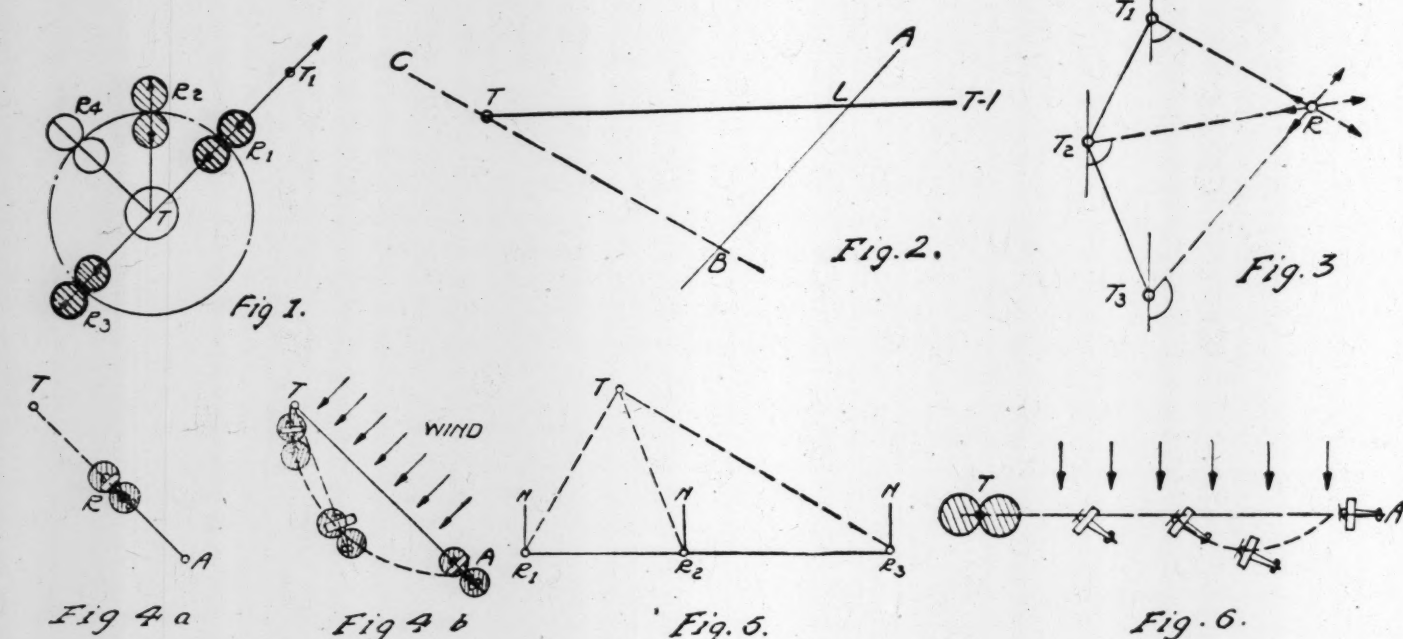
Special from Moscow Bureau

LONDON, Nov. 21. On a recent voyage of the Soviet ship *Arcton* to the Kara Sea, the great value of the Marconi direction finder was very fully demonstrated. The weather was very foggy, ice fields were encountered, and to add to these shipping difficulties the Kara Sea is very inadequately charted.

The Russian Government had arranged for a ship to be off the shores of Matokshin Star, between the islands of Nova Zembla. This ship was to transmit wireless signals for five minutes every hour. Bearings were taken from this ship and a Russian coastal wireless station.

The first signals showed that the ship was nearly 20 miles out of her course. These signals were received when the ship was some 200 miles distant and showed that the finder was working accurately. The steamers *Loos* and *Leonid Krassin*, and the ice-breaker *Albatross*, which formed part of this Kara Sea expedition, were all assisted by the Marconi direction finders.

## Diagrams Illustrating Value of Radio to Airplanes During Flight



The loop is substituted for the nondirectional antenna at the transmitting station, while a simple radio nondirectional receiving apparatus is installed in the airplane. The loop functions in the transmitting tower exactly as it did as part of the receiving unit. Its signal intensity varies as it is rotated so that the signals come most strongly to the receiving unit when the plane of the loop is on a line with the receiver, and weakest when it is at right angles thereto. Directional transmission has several advantages over directional reception, not the least of these being the larger size of loop that may be mounted on a directional transmitting station.

Since the directional antenna of the loop type approaches the efficiency of the ordinary antenna only when its physical dimensions are comparable, it is obvious that on smaller types of airplanes it is impossible to obtain a coil antenna which will approach the efficiency of the more common trailing wire type. On the ground, loop antennas of any desired size may more readily be erected. Also, no special apparatus is required in the airplane, the ordinary receiving equipment being sufficient, a decided advantage where saving of weight and space and the simplicity of operation is of such prime importance. Such ground transmitting stations are called radio beacons.

Uses of Radio Beacons These radio beacons are used in several ways. Where several are

situated near the coast or on lightships near the coast, the signals are usually rotated in 10 degree steps, beginning with a call, followed by a signal having a known bearing, such as N. E. E. In the simplest case, the strongest signal of a station is noted by the receiving airplane and the numerical position of the same in respect to the first signal is taken. From this the bearing of the receiving station is obtained. A stop watch synchronized with the rotations is a great aid in making these observations. Where one radio beacon station is in operation, triangulation can be effected by the receiving plane and the exact location of the airplane learned. See Figure 5.

Another method is that in which signals are transmitted to an airplane flying from one definite point to another, as from A to T in Figure 6. In this case the transmitter is set to transmit its maximum signal along the line on which the plane's course lies. The plane in a cross wind would be drifting to the left, as in the figure, come into a rapidly diminishing signal area, whereupon the pilot would steer it back into the course, the inclination of the plane depending upon the cross wind and the airplane's own velocity. This

angle of inclination could be gauged even if no compass were available.

As a result of experimentation, a system planned for use on the airways and known as the airways method has been developed. A transmitting tower for its further testing has been erected at Wilbur Wright Field, and it is hoped to follow this with beacons at Moncksville, Washington, and Selfridge Field, so that radio guidance may be furnished all planes flying these airways. For this purpose an equidistant signal system has been developed which is considered more efficient than a single maximum signal.

To obtain these two equal signals, two loops are placed in a vertical plane at an angle of 120 degrees to each other. An imaginary line bisecting the 120-degree angle is the airways course. The 120-degree angle has been selected, pending further experiment, as one giving the greatest distinctness and range. Experiment has shown that upon the angle at which these loops are set depends the accuracy and the carrying distance of the signals. If the angle is decreased, the accuracy of the transmission likewise decreases, but the range of the wave is increased. Conversely, when the angle is increased, the accuracy is also increased, but the carrying range is

is obtained by the receiving station and those in which it is sent by the transmitting station. Directional transmitting stations are known as radio beacons; directional receiving sets are known as radio compasses or radio goniometers. The theory of both transmitting and receiving stations is based upon the closed loop antenna, which may form part of either the transmitting or receiving apparatus. This loop antenna is set up in a vertical plane and will radiate or receive energy in certain directions more strongly than in others.

**Rotation of Loop** Let us imagine a straight line to be drawn between a transmitting and receiving station. Maximum energy in the form of signal strength will be obtained when the plane of the loop lies on this straight line. When the loop is so rotated that its plane is at right angles to the line and consequently to the transmitting or receiving station, the radiation is zero and no signal sound at all occurs. Between these positions, the strength of the signals decreases or increases as the plane of the loop is turned toward or from the straight line position, creating a variety of signal strengths which make the maximum and minimum strengths more easily distinguishable.

In the directional reception system,

obtained, when the airplane is headed in that direction.

## Locating a Transmitter

In Figure 1, the shaded portions of the loop indicate the signal intensity at points R1, R2, and R3 for all positions of the loop. R4 represents the plane of the loop at right angles to the transmitter, and the sound of the signal has died away to zero. Thus an airplane may easily locate a transmitting station as lying along a certain line which we will represent by T-R1. Figure 1, however, this does not exactly determine the position of T, the transmitting station, which may be at R2, or at the point indicated as T, or at a point indicated as T1.

Suppose the line T-R1 to lie east and west. Shall the pilot head his airplane east or west? To settle such questions, a system called the unidirectional system of direction-finding has been devised. A directional and a nondirectional antenna have been combined. In this way the phase relation of the induced potential due to the nondirectional antenna is in step with the potential due to the directional antenna in one direction and in opposition in the opposite direction; that is, the plane is headed in the direction indicated by the plane of the loop when the signals are in step and the signal

each station is either quickly drawn on a map or found by computing the angles, and the position of the airplane and its distance from the desired station learned.

Obviously, maneuvering an airplane in order to gain bearings on several stations would not be very practical or accurate for an airplane

carrying passengers and equipment. A receiving antenna would similarly be enabled to detect the presence of an enemy ship and to follow it up for bombing.

In directional transmission, the loop antenna forms part of the transmitting instead of the receiving unit.



For a Merry Christmas—for a merry time every day and for many years to come—give your loved ones a Thompson Radio Receiving Set, a Thompson Speaker, or both.

## THOMPSON RADIO

Thompson Radio Receiving Sets and Thompson Radio Speakers deliver the highest quality of simplified and economical radio entertainment. Both nearby and distant radio programs cannot be more faithfully reproduced than with a Thompson Radio Receiving Set.

One of the many reasons for the advanced development and perfection in Thompson Radio products is an organization

composed of radio engineers who have been making radio apparatus ever since "radio" was called "wireless."

The 5-tube GRANDETTE is \$125. The 5-tube PARLOR GRAND [shown in large picture below] is \$145. The 6-tube CONCERT GRAND is \$180. Prices are without tubes or batteries.



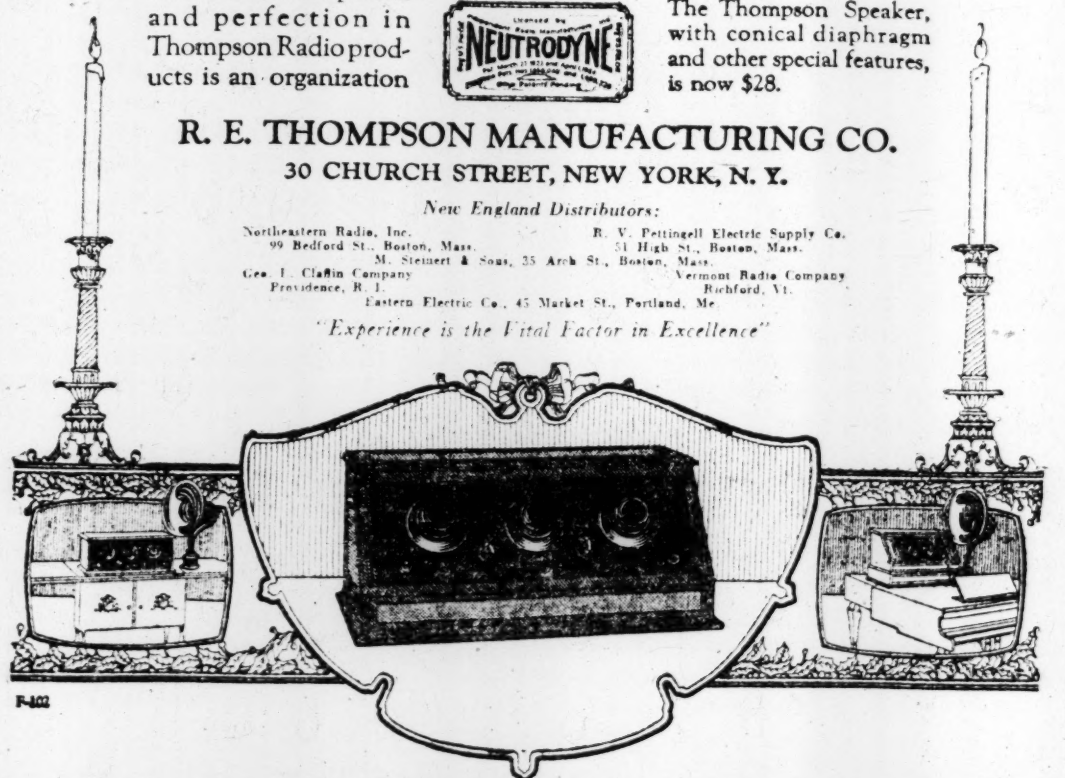
The Thompson Speaker, with conical diaphragm and other special features, is now \$28.

R. E. THOMPSON MANUFACTURING CO.  
30 CHURCH STREET, NEW YORK, N. Y.

New England Distributors:

Northeastern Radio, Inc., 90 Bedford St., Boston, Mass.  
M. Steinert & Sons, 35 Ark St., Boston, Mass.  
Geo. J. Clark Company, Providence, R. I.  
Eastern Electric Co., 45 Market St., Portland, Me.  
R. V. Pettigall Electric Supply Co., 51 High St., Boston, Mass.  
Vermont Radio Company, Richmond, Vt.

"Experience is the Vital Factor in Excellence"

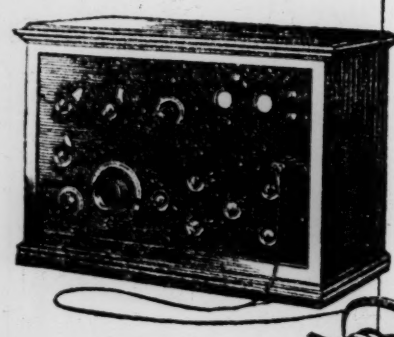


## Compare the tone -

TUNE IN on a lecture, an organ recital or symphony concert—and you will understand why users of Federal are so intensely enthusiastic in their praise of Federal performance—the full rich beauty of Federal Tone and the added convenience of Federal's separate tube control. There is a Federal dealer near you. Write us for his name.

FEDERAL TELEPHONE & TELEGRAPH CO.  
BUFFALO, N. Y.

Boston New York Philadelphia Pittsburgh Chicago  
San Francisco Bridgeport, Canada



Federal  
Standard RADIO Products

## Table-Talker



Dance tunes and opera—concerts and jazz! The air is crowded with music. Radio draws it from the blue into your home. The Table-Talker gives you every note with joyous clarity and beauty.

Real music—undistorted and true—because the horn of the Table-Talker is matched to the unit. Every note is pleasantly mellow—always!

\$10  
It needs no extra batteries

Brandes

Superior  
Matched Tone  
Horn  
\$6  
\$7 in Canada

Navy Type  
Matched Tone  
Horn  
\$8  
\$9 in Canada

The name  
to know in Radio



# TRANSFORMERS

**\$435**  
Complete



STEEL TRADE  
EXPERIENCING  
MARKED GAINSHeavy Buying of Rails,  
Structural Steel, and Pipe  
—Operations Higher

NEW YORK, Dec. 1 (Special).—The popularity of the steel shares in the stock market, which has been emphasized by the advancing market in the stock shares that the investing public is becoming aware of the fact that conditions are becoming better rapidly.

Robert H. Gary stated recently that he expects the industry to be working at full capacity in a few months. The present rate of operations is close to 70 per cent of capacity, a gain of 10 per cent during November.

One of the most striking features in the industry is what might be termed the present unusual buying. For instance, not long ago the light bought freely for delivery in January, when the ground will be frozen. The time cannot be lost and must be stored until early in the year.

Business in fabricated structural steel is tremendous, not only for this time of year but for all time.

Structural orders for the week for which figures are available were 50,000 tons, the largest weekly total in the record. Business in sheet and tin plate is also very good.

A vice-president of a steel firm, who has been in the industry for more than a generation, said that 1924 sales were the best that he has ever experienced. That November sales were far in excess of those for the corresponding month last year. Moreover, he expects that 1925 will be equally as good.

The building of the new steel plant in the only inactive district in the east has been New England, which is usually a prominent user of pipe.

Fabricated structural steel, however, has stiffened some in price, though it has not made any marked advance, as have some other lines. It builds command from \$80 to \$90 a ton.

A few weeks ago a few contracts were taken as low as \$72 a ton, but such have now disappeared.

**Tin Plate Price Unchanged**  
Plain structural material is about \$4 a ton above the figure of a month ago, but selling at a profit. Pittsburgh's more structural orders which are now being placed have been hanging fire for some months, while prices started to advance the building has started to advance.

The most important price announcement of the week was that of the American Sheet & Tin Plate Company, its regular price for first quality tin plate is left unchanged at \$1.10 a box, and the unannealed sheets are the same at 27¢ a pound.

Black sheets were marked up a ton to \$2.60, and galvanized sheets and automobile sheets were raised \$3 a ton to \$1.75. Most of the independent steel makers are following the leader in these prices.

The composite price of finished steel is now \$27.42 a ton, compared with \$26.42 at the middle of October, and with \$26.42 at the peak of April, 1923. Thus, between that April and last October there has been an advance of \$1.00 a ton, one quarter of that drop has been recovered.

**Scrap Prices Advance**  
The chief advances in prices last week were in scrap, which has risen 20¢ to \$1.50 a ton, depending on the district and the grade of scrap. The reasons are the rise in the price of pig iron, which makes a tendency to use larger percentages of scrap and smaller ratios of iron.

The increasing quantities of scrap, or more raw material. Heavy melting steel scrap has reached \$20 a ton in eastern Pennsylvania for the first time this year.

The wave of pig iron buying is about over. During the month about 1,000,000 tons have been sold, and the market is quiet. During November, iron prices advanced \$1 to \$2.50 a ton.

Price levels in the steel districts are now as follows: Eastern Pennsylvania, \$22.20; Buffalo, \$22.20; Birmingham, \$19.60; Chicago, \$21.20; St. Louis, \$21.20; Cleveland, \$21.20; Detroit, \$21.20; and Pittsburgh, \$21.20.

Imported iron, which has been sold rapidly as domestic iron, so that there has been no great invasion of foreign material. Very little Indian iron is available before the month of January.

About 10,000 tons of German iron has been sold along the Atlantic seaboard the last month.

Dutch iron is fairly popular, though it is not yet well known here, the one difference in Holland being comparatively new. The price of Dutch iron is too high to meet with ready acceptance. In a short time the price will advance to \$22.50, second, and duty added.

**Railroad Business Good**  
There is still much railroad business in sight. The Pennsylvania will soon start building a new line of steel, and the Southern Railway and Union Pacific will require 10,000 tons which will require a run of steel in the building thereof.

The Chicago & Northwestern Railroad recently ordered 3,000 tons, requiring 10,000 tons of steel. The Santa Fe bought 25,000 tons for bridges and the Alaskan Northern Road 30,000 tons.

Frequently the news comes out that the unions are to make another drive to get all steel workers enrolled in the unions. Another such announcement has just been made. Campaign headquarters are said to be established at Chicago, Cleveland and St. Louis.

Union officials themselves admit, however, that the task will be difficult, as the 8-hour day is almost universally established in the industry.

**Zinc Prices Up**  
The zinc market has been very active. Zinc established a new high level for the year, reaching \$1.10 a pound. The price of zinc is high, level was \$0.95, attained the week before, and the peak before that was \$0.90 last February.

Zinc demand has been very heavy, and most sales were to domestic manufacturers. The English price being lower, the zinc market is very active, and consumption is increasing in several countries.

Copper has been improving perceptibly. Although the price of copper has been a slight reaction in the market, it is down to 12½¢, by the end of last week the accepted level was 12½¢ a pound.

Producers say that business in November has been an unusually steady and satisfactory nature. All through the week the domestic price of copper was about 12½¢ higher than the price for export.

Lead has been advancing at London, but is slightly lower in this country. Thus it has sold at 8½¢ East St. Louis, compared with 8½¢ a week ago. Limited quantities of zinc are being sold at 8½¢ East St. Louis by one producer. The leading refiner still quotes 8½¢ New York.

Lead has been climbing late prices being 54¢ a pound, virtually the highest figure of the year. Stocks held in reserve by the East Eastern refiners are about exhausted.

## STOCK MARKET PRICE RANGE OF LEADING CITIES

For week ended November 29, 1924

## CHICAGO STOCKS

Sales	High	Low	Last	Net
125 Am Pub Sec	82	81	81 1/2	1/2
125 Am T & T	125 1/2	125 1/2	125 1/2	0
125 Am T & T	125 1/2	125 1/2	125 1/2	0
125 Am T & T	125 1/2	125 1/2	125 1/2	0
125 Am T & T	125 1/2	125 1/2	125 1/2	0
125 Am T & T	125 1/2	125 1/2	125 1/2	0
125 Am T & T	125 1/2	125 1/2	125 1/2	0
125 Am T & T	125 1/2	125 1/2	125 1/2	0
125 Am T & T	125 1/2	125 1/2	125 1/2	0
125 Am T & T	125 1/2	125 1/2	125 1/2	0

## SAN FRANCISCO STOCKS

Sales	High	Low	Last	Net
125 Am Pub Sec	82	81	81 1/2	1/2
125 Am T & T	125 1/2	125 1/2	125 1/2	0
125 Am T & T	125 1/2	125 1/2	125 1/2	0
125 Am T & T	125 1/2	125 1/2	125 1/2	0
125 Am T & T	125 1/2	125 1/2	125 1/2	0
125 Am T & T	125 1/2	125 1/2	125 1/2	0
125 Am T & T	125 1/2	125 1/2	125 1/2	0
125 Am T & T	125 1/2	125 1/2	125 1/2	0
125 Am T & T	125 1/2	125 1/2	125 1/2	0
125 Am T & T	125 1/2	125 1/2	125 1/2	0

## LOS ANGELES STOCKS

Sales	High	Low	Last	Net
125 Am Pub Sec	82	81	81 1/2	1/2
125 Am T & T	125 1/2	125 1/2	125 1/2	0
125 Am T & T	125 1/2	125 1/2	125 1/2	0
125 Am T & T	125 1/2	125 1/2	125 1/2	0
125 Am T & T	125 1/2	125 1/2	125 1/2	0
125 Am T & T	125 1/2	125 1/2	125 1/2	0
125 Am T & T	125 1/2	125 1/2	125 1/2	0
125 Am T & T	125 1/2	125 1/2	125 1/2	0
125 Am T & T	125 1/2	125 1/2	125 1/2	0
125 Am T & T	125 1/2	125 1/2	125 1/2	0

## To Yield 7.45%

## Industrial Mortgage Bank

OF FINLAND

First Mtg. Coll. 7% 1944

Guaranteed by Republic of Finland

95 1/4 and interest, yielding about 7.45%

## Lee, Higginson &amp; Co.

Established 1838

44, State Street, Boston

Higginson &amp; Co. LONDON

New York

Chicago

## NEW YORK CURB FLUCTUATIONS

For week ended November 29, 1924

## INDUSTRIALS

Sales	High	Low	Last	Net
125 Am Pub Sec	82	81	81 1/2	1/2
125 Am T & T	125 1/2	125 1/2	125 1/2	0
125 Am T & T	125 1/2	125 1/2	125 1/2	0
125 Am T & T	125 1/2	125 1/2	125 1/2	0
125 Am T & T	125 1/2	125 1/2	125 1/2	0
125 Am T & T	125 1/2	125 1/2	125 1/2	0
125 Am T & T	125 1/2	125 1/2	125 1/2	0
125 Am T & T	125 1/2	125 1/2	125 1/2	0
125 Am T & T	125 1/2	125 1/2	125 1/2	0
125 Am T & T	125 1/2	125 1/2	125 1/2	0

## BONDS

Sales	High	Low	Last	Net
125 Am Pub Sec	82	81	81 1/2	1/2
125 Am T & T	125 1/2	125 1/2	125 1/2	0
125 Am T & T	125 1/2	125 1/2	125 1/2	0
125 Am T & T	125 1/2	125 1/2	125 1/2	0
125 Am T & T	125 1/2	125 1/2	125 1/2	0
125 Am T & T	125 1/2	125 1/2	125 1/2	0
125 Am T & T	125 1/2	125 1/2	125 1/2	0
125 Am T & T	125 1/2	125 1/2	125 1/2	0
125 Am T & T	125 1/2	125 1/2	125 1/2	0
125 Am T & T	125 1/2	125 1/2	125 1/2	0

## PHILADELPHIA STOCKS

Sales	High	Low	Last	Net
125 Am Pub Sec	82	81	81 1/2	1/2
125 Am T & T	125 1/2	125 1/2	125 1/2	0
125 Am T & T	125 1/2	125 1/2	125 1/2	0
125 Am T & T	125 1/2	125 1/2	125 1/2	0
125 Am T & T	125 1/2	125 1/2	125 1/2	0
125 Am T & T	125 1/2	125 1/2	125 1/2	0
125 Am T & T	125 1/2	125 1/2	125 1/2	0
125 Am T & T	125 1/2	125 1/2	125 1/2	0
125 Am T & T	125 1/2	125 1/2	125 1/2	0
125 Am T & T	125 1/2	125 1/2	125 1/2	0

## CLEVELAND STOCKS

Sales	High	Low	Last	Net
125 Am Pub Sec	82	81	81 1/2	1/2
125 Am T & T	125 1/2	125 1/2	125 1/2	0
125 Am T & T	125 1/2	125 1/2	125 1/2	0
125 Am T & T	125 1/2	125 1/2	125 1/2	0
125 Am T & T	125 1/2	125 1/2	125 1/2	0
125 Am T & T	125 1/2	125 1/2	125 1/2	0
125 Am T & T	125 1/2	125 1/2	125 1/2	0
125 Am T & T	125 1/2	125 1/2	125 1/2	0
125 Am T & T	125 1/2	125 1/2	125 1/2	0
125 Am T & T	125 1/2	125 1/2	125 1/2	0

## ST. LOUIS STOCKS

Sales	High	Low	Last	Net
125 Am Pub Sec	82	81	81 1/2	1/2
125 Am T & T	125 1/2	125 1/2	125 1/2	0
125 Am T & T	125 1/2	125 1/2	125 1/2	0
125 Am T & T	125 1/2	125 1/2	125 1/2	0
125 Am T & T	125 1/2	125 1/2	125 1/2	0
125 Am T & T	125 1/2	125 1/2	125 1/2	0
125 Am T & T	125 1/2	125 1/2	125 1/2	0
125 Am T & T	125 1/2	125 1/2	125 1/2	0
125 Am T & T	125 1/2	125 1/2	125 1/2	0
125 Am T & T	125 1/2	125 1/2	125 1/2	0

## DENVER STOCKS

Sales	High	Low	Last	Net
125 Am Pub Sec	82	81	81 1/2	1/2
125 Am T & T	125 1/2	125 1/2	125 1/2	0
125 Am T & T	125 1/2	125 1/2	125 1/2	0
125 Am T & T	125 1/2	125 1/2	125 1/2	0
125 Am T & T	125 1/2	125 1/2	125 1/2	0
125 Am T & T	125 1/2	125 1/2	125 1/2	0
125 Am T & T	125 1/2	125 1/2	125 1/2	0
125 Am T & T	125 1/2	125 1/2	125 1/2	0
125 Am T & T	125 1/2	125 1/2	125 1/2	0
125 Am T & T	125 1/2	125 1/2	125 1/2	0

## BALTIMORE STOCKS

Sales	High	Low	Last	Net
125 Am Pub Sec	82	81	81 1/2	1/2
125 Am T & T	125 1/2	125 1/2	125 1/2	0
125 Am T & T	125 1/2	125 1/2	125 1/2	0
125 Am T & T	125 1/2	125 1/2	125 1/2	0
125 Am T & T	125 1/2	125 1/2	125 1/2	0
125 Am T & T	125 1/2	125 1/2	125 1/2	0
125 Am T & T	125 1/2	125 1/2	125 1/2	0
125 Am T & T	125 1/2	125 1/2	125 1/2	0
125 Am T & T	125 1/2	125 1/2	125 1/2	0
125 Am T & T	125 1/2	125 1/2	125 1/2	0

## HARTFORD STOCKS

Sales	High	Low	Last	Net
125 Am Pub Sec	82	81	81 1/2	1/2
125 Am T & T	125 1/2	125 1/2	125 1/2	0
125 Am T & T	125 1/2	125 1/2	125 1/2	0
125 Am T & T	125 1/2	125 1/2	125 1/2	0
125 Am T & T	125 1/2	125 1/2	125 1/2	0
125 Am T & T	125 1/2	125 1/2	125 1/2	0
125 Am T & T	125 1/2	125 1/2	125 1/2	0
125 Am T & T	125 1/2	125 1/2	125 1/2	0
125 Am T & T	125 1/2	125 1/2	125 1/2	0
125 Am T & T	125 1/2	125 1/2	125 1/2	0

## PITTSBURGH STOCKS

Sales	High	Low	Last	Net
125 Am Pub Sec	82	81	81 1/2	1/2
125 Am T & T	125 1/2	125 1/2	125 1/2	0
125 Am T & T	125 1/2	125 1/2	125 1/2	0
125 Am T & T	125 1/2	125 1/2	125 1/2	0
125 Am T & T	125 1/2	125 1/2	125 1/2	0
125 Am T & T	125 1/2	125 1/2	125 1/2	0
125 Am T & T	125 1/2	125 1/2	125 1/2	0
125 Am T & T	125 1/2	125 1/2	125 1/2	0
125 Am T & T	125 1/2	125 1/2	125 1/2	0
125 Am T & T	125 1/2	125 1/2	125 1/2	0

## DETROIT STOCKS

Nettle	32 3/4	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	32 1/2	
--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--











## ADVERTISEMENTS BY STATES AND CITIES

## CALIFORNIA

## Oakland

When You Think  
CARPETS  
Think  
**Anderson's**  
CARPET HOUSE  
Repairs Carpets  
519 1/2 Third St.  
OAKLAND, CALIF.

CALL UP OAKLAND 489

## Contra Costa Laundry

14th and Kirkham Streets  
TO SECURE HIGH GRADE WORK  
We send your garments neatly and on  
or before without extra charge.  
Daily Wash Service  
Berkeley, Alameda, Oakland

**Taft & Pennoyer**  
Company  
Established in 1890  
"Oakland's Oldest Dry Goods House"  
WINTER FASHIONS  
Are Here  
"It's the best and costs no more"  
Clay at Fourteenth and Fifteenth Sts.

**Manheim & Mazor**  
Broadway and 24th Street  
Under the Roof  
Oakland's Gift Center  
Begin your Christmas Shopping early  
Inspect these three fascinating  
price groups in our Art Shop  
1.00 1.95 2.95  
COMMERCIAL TRUST & SAVINGS BANK  
Every Banking Facility  
4 1/2% on Savings  
560 Broadway Oakland  
Y. Fireside Art and Gift Shop  
EMERGENCY AND STAMPED GOODS  
SPECIAL  
209 SQUARE LEITCH CLOTH with 4 nap  
kins, stamped in initial, ready to go  
under. Floral or Lingerie design.  
\$1.00, postage prepaid.  
55 GRAND AVE., OAKLAND, CALIF.  
Please Mention The Christian Science Monitor

**DOWDLE**  
PRINTING AND  
RUBBER STAMPS  
Phone Oakland 2729  
1411 Jefferson St., Oakland, Cal.  
HUSING BROTHERS  
Importers  
Meat Poultry Fish Groceries  
Fruits Delicatessen  
QUALITY AND SERVICE  
218 14th St. Phone: Lakeside 525 and 526

**Crystal Laundry**  
Phone Lakeside 241  
2297 CHESTER ST. OAKLAND, CALIF.  
"We Treat Your Linen White"  
Manhattan Laundry Co.  
1812 Dwight Way Phone Berkeley 335  
BERKELEY

**M. BOCK, TAILOR**  
1408 Franklin St.  
Telephone Oakland 1091  
EUGENE H. CHERRY  
ATTORNEY AT LAW  
Oakland Bank Bldg. Phone Oak. 302  
Oakland, Calif.

Old Books Bought and Sold at  
HARDY'S BOOK STORE  
815 BROADWAY OAKLAND, CALIF.  
CITY ART PRINTING CO.  
14 City Garage, just east of Hotel Oakland  
224 Thirteenth Street  
Established 1891 Phone: Lakeside 5491

**Pacific Grove**  
The Christian Science Monitor  
IS FOR SALE IN PACIFIC GROVE  
CALIF., on the following terms: Pacific  
A. S. Hendricks, 387 Lighthouse Ave.,  
Box 40 Stationery Store.

**Palo Alto**  
CRANDALL'S  
GREETING CARDS  
GETS  
124 UNIVERSITY AVENUE

**MENDENHALL CO.**  
DRY GOODS  
Ladies' Dresses, Suits and Coats, Corsets,  
Underwear and Hosiery  
THE HOMEWARE STORE  
A. J. CHANDLER  
Unusual Gift Novelties  
514 Emerson Street

**HYDE'S BOOK STORE**  
Stationery and Pictures  
810 University Avenue

**HARRY J. STILLSON**  
RUBBER STAMPS  
232 Hamilton Street

**KOPPER KETTLE TEA ROOM**  
Lunching 3000 1/2 Union St.  
Chicken Dinner Sun. Sat. 50c  
121 Third Street Phone 1126

**EARLE & CO., GROCERS**  
QUALITY FRESHNESS & ACCOMMODATION  
Palo Alto, Calif.

**PENINSULA CREAMERY**  
Ice Cream Dairy Products  
OPPOSITE POSTOFFICE PHONE P. & 630  
Vogue and Meadowbrook Hats at  
MRS. MCCOY'S  
387 University Avenue

**STANFORD WATCH SHOP**  
547 Emerson Street

**PALO ALTO MARKET**  
Fancy Meats  
Phone 321 824 University Ave

## CALIFORNIA

## Palo Alto

THE BANK  
OF  
PALO ALTO  
**Frazer & Co.**  
AUTHORITATIVE FASHIONS FOR  
THE GENTLEMAN  
FASHION PARK CLOTHES AND  
KNOX HATS FOR MEN

## Richmond

DIAMONDS, WATCHES, SILVERWARE,  
Jewelry and Gold  
O. A. POULSEN  
609 Marshall Ave. Phone Rich. 61  
USED CARS OF ALL MAKES  
J. P. STROM  
Hudson and Essex Distributor  
1229 Marshall Ave. Tel. Richmond 212  
BELLE BEAUTY PARLOR  
Expert Manicuring, Make-up, Bobbing  
Etc. Building Phone 1209  
ARMSTEAD'S GENERAL HARDWARE  
"Everything is Hardware"  
124 MCDONALD AVE. PHONE 30  
The Christian Science Monitor  
IS FOR SALE IN RICHMOND on the fol-  
lowing terms: Richmond News Stand,  
1012 Marshall Avenue.

## Sacramento

CHAS. P. NATHAN  
AND SONS  
Everything to Wear  
FOR  
Men, Women and  
Children  
Cor. 8th & E. Sts.  
**Lerner's**  
SHOES FOR MEN  
and  
WOMEN  
Hotel Land 924 K Street  
Gifts of Leather  
The Luggage Shop  
WHEARY TRUNKS  
UMBRELLAS  
1012 10TH ST. SACRAMENTO

## DIAMONDS

Special Settings  
to meet  
individual tastes  
Holiday Goods now on Display  
GEO. F. POWELL  
219 FOREST HILL, Phone M. 4211  
Accounting Income Tax Auditing  
Bookkeeping and Cost Accounting  
Systems and Service  
G. N. WILLIAMSON  
Public Accountant  
Schneider Building  
Telephones Main 2438 and 1716-W  
Cantilever  
Shoe Shop  
Exclusive Agents for  
Sacramento  
308 CHISHOLM BUILDING  
Take Elevator to 2nd Floor  
Main 287-Sold for Booklet

## GREETING CARDS

ENGRAVING, STATIONERY  
GIFT MERCHANDISE  
PROTZMAN & STEPHENS

## Weinstock, Lubin &amp; Co.

"The Fashion Center"

72 STORES  
UNDER ONE ROOF  
The Christian Science Monitor  
IS FOR SALE IN SACRAMENTO  
CALIF., on the following terms: Stan-  
dard News Stand, 1012 Marshall Ave.,  
Phone 1209, 10th and E. Sts., Hotel  
News Stand, 1012 Marshall Ave.,  
Phone 1209.

## MASON'S

STEAM LAUNDRY  
MRS. FRED MASON, Proprietress  
Phone Main 237 200 O Street  
Main 7709, Main 7808  
Down Town Office 1429 11th Street  
UNIQUE  
and  
MORLEY'S CLEANING & DYE WORKS  
Phone Main 505, Box Phone Capital 211-4  
WESTERN TRANSFER CO.  
Furniture Moved  
820 NINTH STREET  
Anna Rushing  
412 J Street Sacramento Phone Main 300  
DISTINCTIVE  
Clothes for Women and Young Girls  
THE SUTTER  
1011 K ST. SACRAMENTO  
Ice Cream-Candy-French Pastry-  
Meals  
OAK PARK FURNITURE CO.  
Complete House Furnishers  
2070 30th Sacramento, Calif.

## CALIFORNIA

## Sacramento

BRASS RODS BRACKETS  
**Elders**  
DRAPERY SHOPPE  
1624 JAY STREET  
Phone Main 5830  
SACRAMENTO, CALIF.

**Heldrum**  
FLORIST  
"Say It With Flowers"  
HOTEL NEW YORK 1927 & STREET  
Phone Main 514

## San Francisco

**Hastings**  
CLOTHING COMPANY  
Established 1894  
Post at Kearny  
SAN FRANCISCO  
Society Brand Clothes  
KNAPP-FELT HATS  
HURLEY SHOES  
SMART HABERDASHERY  
WM. F. ASMUSSEN  
Fine Jewelry and Silverware  
307 Howard Building  
Corner Grant Ave. and Post St.  
San Francisco  
Telephone Market 2538  
See our advertisement in San  
Francisco Herald-Examiner of this issue

## MINOR'S

HABERDASHERY  
830 Market Street, San Francisco

## DE PUE

WAREHOUSES  
A. C. WORTHINGTON  
View from 10th St.  
Merchants' Exchange Building  
SAN FRANCISCO, CALIF.

## Poderst Baldocchi

FLORISTS  
"The Voice of a Thousand Gardens"  
224-226 Grant Ave. Tel. Kearny 475  
SAN FRANCISCO

## Zobel's

MILLINERY  
"Fashioned by Hand"  
GOTTENBERG FLORES  
23 Grant Avenue  
SAN FRANCISCO, CALIF.

## MARNELL &amp; CO.

PRINTING AND  
BOOKBINDING  
701 Market Street, opp. Grand Avenue  
Phone Kearny 5064

## FREDERIC POWELL

Teacher of Singing  
TUESDAYS AND FRIDAYS  
705 Koller-Chase Building

## MAY ROSE

SHOPPE  
Hosiery, Lingerie, Sweaters  
1474 Haight Street Tel. Park 3075

## E. J. YOUNG

105 Montgomery Street, Sutter 2038  
We have all kinds of real estate invest-  
ments. We also have mortgages, new and  
second mortgages. We will give description  
of insurance, automobile, life, etc.

## BECKER

STORAGE  
COMPANY  
House  
Goods  
Moved  
Packed  
Stored

## DAVIS, FRENCH &amp; SHAW

Accountants and Auditors  
Chad Sparks Bldg., San Francisco, Calif.  
Telephone Douglas 4307

## JOSEPH'S

Florists  
233 Grant Avenue, San Francisco  
INSURANCE-REAL ESTATE  
Fire, Plate Glass, Auto, Marine, etc.  
YOUNG & PARKER  
919 Bond Street Phone Sutter 2294

## BURNIE J. CRAIG

Trade Marks  
1208 S. Broadway, Los Angeles  
Personal Interviews with Ray C. Craig  
arranged. Correspondence invited.

## JOSEPH LEVY, General Insurance

Automobile, Fire, Plate Glass, Compensation, etc.  
1000 Clay Street, Bldg. Tel. Doug. 2354

## SCHILLING HARDWARE CO.

Sheet Metal Works-Paints  
808-809 Irving St. Tel. Sunset 808

## MAUDE S. WRIGHT

CALIFORNIA MULTICOPIERS SHOP  
625 Market St. Room 515 Tel. Gar. 3582

## ASK FOR C. D. GILPIN

to solve your laundry problems. Call him at  
DIAMOND LAUNDRY CO.  
Phone Market 61 2840 14th St.

## PORTABLE TYPEWRITERS

Miss N. Miro  
With Underwood Typewriter Co. Doug. 5070

## Walter H. White

Insurance  
THE GREENHOUSE  
Your Florist  
431 O'Farrell St. Frank. 9022

## GEO. J. CHOAL

MERCHANT TAILOR  
809 Commercial Bldg. Doug. 4466

## CALIFORNIA

## San Francisco

L. D. McLEAN CO.  
GROCERS  
1158 Sutter St. and 60 Geary St.  
Telephone  
"Prospect One"

**CITY COAL**  
COMPANY  
100 Brennan Street Douglas 4620  
King, Knight, Richmond  
American Block, Cerrillos Anthracite  
Our Standard Brands  
BRANCH TARD  
4545 Geary Street Douglas 4620

## THE GREER HOME

Established 1912  
6060 Fulton St., corner 35th Avenue  
A home for rest, study and quiet,  
with ideal surroundings. Each an out-  
side room, with closet, hot and cold  
running water, nicely furnished.  
EXCELLENT TABLE  
STEAM HEAT  
Attendance if desired.

## Hartmann Wardrobe Trunk

\$39.75  
All round edges, shoe box  
padding, extra strong  
A noteworthy value  
Oppenheimer  
The Trunk Man

**DIAMOND**  
LAUNDRY  
QUALITY-SERVICE  
UNITED STATES  
LAUNDRY  
Telephone  
Market 1721  
Finest Work on Shirts and Collars  
Koller's  
CLEANING AND DYEING WORKS  
2047 Geary St. at 14th Ave.  
PHONE PACIFIC 331

## Mission Street District, San Francisco

PHOTOGRAPHERS  
Phone Mission 6753  
2045 Mission St.

## Richmond District, San Francisco

RICHMOND REPAIR AND  
ELECTRICAL SUPPLY CO.  
E. P. FAGAN 922 CLEMENT ST.

## San Jose

**The Paris**  
CLOAK & SUIT HOUSE  
We specialize in large sizes  
EDWARD GROSS, Mgr. SAN JOSE, CALIF.  
GEO. W. RYDER & SON  
JEWELERS AND SILVERSMITHS  
Quality and Correct Prices  
150 South First Street  
Our new "Safe Department" Superior  
resistant to fire and burglary. We  
bring you many compliments.  
SAN JOSE CHATTERBOX BAKERY  
Phone 465 201 & San Antonio

## Golden West

Cleaners, Jan. 60  
25 S. Third St. Cleaning and Dyeing

## F. W. GROSS &amp; SON

DRY GOODS  
San Jose, California  
FOR REAL ESTATE INVESTMENTS  
IN or near San Jose, call or write  
GEO. W. DORSON  
262 South Third St., San Jose, Calif.

## MOELLER &amp; GOODWIN

Real Estate-Locks-Insurance  
66 E. Santa Clara St. SAN JOSE, CALIF.  
OFFICE SUPPLIES & OFFICE FURNITURE  
WING AND MARSHALL  
50 So. First St.  
STATIONERS, BOOKBINDERS,  
ENGRAVERS, LEATHER GOODS

## CRAWFORD'S

HOME MADE CANDIES AND ICE CREAM  
FRESH FRUIT PUDDING LICHENS  
834501 91 & Second Street

## San Luis Obispo

LIND'S BOOK STORE  
N. L. ROSSI, Prop.  
Stationery-Gifts-Toys  
Picture Framing Wall Paper  
Quality Footwear and Hosiery  
No. 206 HIGHERA ST.  
VAN'S WAFFLE INN  
Good Things to Eat  
SAN LUIS HOT SPRINGS  
Schulze Brothers  
SAN LUIS OBISPO, CALIF.

## HENRY J. BOWERS

Tailor and Cleaner  
Telephone 65 387 MONTEREY STREET

## Defence Furniture Company

FURNITURE AND  
FLOOR COVERINGS  
214 HIGHERA STREET, SAN LUIS OBISPO, CALIF.

## The Christian Science Monitor

IS FOR SALE IN SAN LUIS OBISPO,  
CALIF., on the following terms: Stan-  
dard News Stand, 1850 Cherry St.,  
81 Cherry News Stand, 1850 Cherry St.

## CALIFORNIA

## San Luis Obispo

SAN LUIS HARDWARE  
and IMPLEMENT CO.  
General Hardware-Gas Ranges-Paints  
Kerosene-Staple Goods-  
Farm Implements and Dairy Supplies  
Real Estate and Insurance  
F. E. GIST  
1212 MONTEREY ST. Phone 148 W  
STRONG'S  
Dry Cleaning-Hat Renovating  
Phone 236 629 HIGHERA ST.

## San Mateo

PENINSULA RADIO SHOP  
152 N. St. Phone San Mateo 412

## San Rafael

COAL and WOOD  
Henry Schlosser Co.  
441 4th Street  
BANK OF SAN RAFAEL  
The oldest and largest Bank in  
San Rafael

## Santa Cruz

MORRIS ABRAMS  
Established 1889  
Clothing and Shoes  
OF QUALITY  
INDEPENDENT MARKET  
Fancy Meats, Fish and Poultry  
The Wise Housekeeper's Choice  
FRAZIER LEWIS  
1815 Santa Cruz Avenue, Santa Cruz  
makes Santa Cruz famous for candy. His ice  
cream is unique in that it contains no sugar.  
THE HANSON CORSET SHOPPE  
Corsets, Hosiery, Underwear, Sewing  
Machine, Etc. Phone 504 W  
19 Walnut Ave. Phone 504 W  
DRY GOODS, LADIES AND CHILDREN'S  
READY TO WEAR  
Becknell's Golden Rule Store  
119 PACIFIC AVE.

## COLORADO

## Colorado Springs

**Kaufman's**  
A GOOD  
DEPT. STORE  
114 S. Tejon  
Goods Advertised in The Christian Science  
Monitor on Sale Here  
Piquet Street, Corner of Grand and Race  
President Smith Bldg. N. Main Street  
FANNY ROBERTS CANNIES  
Delicious, unusual, delicious Caramels  
Butterworth, 75c, \$1.50, \$2.50 a pound  
Special attention to mail orders.  
221 N. Lincoln Ave.  
"Good Shows That's All"  
DEAL SHOE CO.  
107 South Tejon Street  
LAUNDRY AND  
DRY CLEANING  
117 North Tejon St.  
Colorado Springs, Co.

## Elite

PIKEVIEW COAL  
PIKEVIEW COAL  
1015 E. Tejon St.  
Main 127  
C. SHOE CO.  
26 N. Tejon St.  
SMITH & ZELL  
Real Estate, Loans, Insurance, Rentals  
21 North Tejon Street, Colorado Springs, Colo.  
JAMES H. ROTHROCK  
Lawyer  
403 Mining Exchange Bldg. Tel. M-31, M-273

## Denver

**LEWIS & SON**  
Colorado's Home Store  
The Avenue  
of Gifts  
Down the Great Main Aisle, first  
floor, is an Avenue of Suggestions in  
an enchanting array of colorful gift  
things from Europe, the Far East  
and America.  
A new and delightful shopping  
adventure awaits you in this little  
Journey "Round the World."  
At a glance you see every gift  
worth while.  
"The sun never sets on the  
Lewis & Son buying organization."

## The Acme

of Gifts  
Down the Great Main Aisle, first  
floor, is an Avenue of Suggestions in  
an enchanting array of colorful gift  
things from Europe, the Far East  
and America.  
A new and delightful shopping  
adventure awaits you in this little  
Journey "Round the World."  
At a glance you see every gift  
worth while.  
"The sun never sets on the  
Lewis & Son buying organization."

## WINDSOR FARM DAIRY

"EARLY SERVICE EVERYWHERE"  
Main 1518 "Any time we are asleep!"  
HAANSTADT'S CAMERA SHOP  
KODAKS EASTMAN FILMS  
KODAK FINISHING ENLARGING  
404 SIXTEENTH STREET  
E. R. JOHNSON  
PHOTOGRAPHY  
Phone Champa 401  
529 EAST 20TH AVENUE DENVER, COLO.  
BONHAM'S  
Cleaning and Dyeing  
410 E. 7th Ave. Main 6256 11 E. Colfax  
THE WEPF PRINTING CO.  
QUALITY PRINTING  
1231 Champa St. Denver Main 1543

## COAL-COAL-COAL

LEMBER HARDWARE-MILLWORK  
GOBLE LUMBER CO.  
824 W. 1st Ave. Phone S. 49-S. 6132

## The M. O'Keefe Jewelry Co.

Denver's Quality Jeweler  
822 15th Street

## THE DIETER BOOKBINDING CO.

REPAIRING AND BINDING  
OF EVERY DESCRIPTION  
1833 Champa Street Phone Main 3054

## SMITH'S

Good Home Made Candies  
615 16TH STREET  
CANARY COTTAGE  
TEA ROOM  
Home-like 1419 17th Street  
CARTER STAMPS & SEAL CO.  
Rubber Stamps, Seals, Stock Certificates,  
Commercial Printing, 1723 Champa St.  
Main 3764 Res. Phone 2008 R

## F. J. DOWNIE

CERTIFIED PUBLIC ACCOUNTANT  
Ch. 7474 621 Foster Bldg.  
"Have Read Print It" Prompt Service  
ALLEN J. READ PRINTING CO.  
"PRINTING OF THE BETTER KIND"  
Telephone Main 5171 612 Broadway Street, 1027 16th Street

## THE DENVER WET WASH

1840 CENTRAL ST. GALLUP 1284

## COLORADO

## Denver

**-at Joslin's**  
The  
"Home-Like" Store  
RADIOL  
VICTROLA & SONORA  
VOCALION AND VICTOR RECORDS  
**The Daniels & Fisher**  
Personal Christmas  
Greeting Cards  
Exclusive designs. Order now  
while assortment is complete.  
Kendrick-Bellamy Co.  
Corner 16th and Stout  
COMPLETE BANKING SERVICE  
The International Trust  
Company  
Seventeenth and California Streets  
BLANCHE B. AMES  
BEAUTY SHOP  
THE NEW FRENCH PAPER WAVING  
"MARCELLING"  
Columbine Toilet Preparations  
Made in Cuba  
A cordial invitation is extended to in-  
spect our unrivaled service, de-  
posit your money in the "West" Bank  
and see how we do it.  
W. J. LANE, Manager  
1542 California St. Phone Ch. 5761

## The Neusteter Co.

Specialists in Women's  
Fashions  
Always a Touch of Distinction  
DENVER BREAD CO.  
Direct from Oven to Home  
The Best of Bakery Products delivered  
to your door daily  
Phone Champa 2211  
Speer Boulevard at West 12th Avenue

## THE GREAT NORTHERN

FUEL CO.  
1512 Welton Street  
Domestic and Steam Coals

## H-WJ-EDBROOKE

ARCHITECT  
512 TABOR BLDG. - DENVER

## THE PERINI BROS. CO.

Gloves, Silk Hosiery, Corsets, Shoes,  
Ladies' Underwear, Umbrellas,  
Hand Bags  
1021 25 16th Street Phone Main 3432

## GOODHEART'S

BROADWAY LAUNDRY  
"We return all but the dirt"  
850 South Broadway Phone South 109

## The Rocky Mountain

Fuel Co.  
ALL GRADES OF COAL  
"Quality and Service"  
Phone Main 5000 1010 Sixteenth St.  
DENVER COLO.

## New Method

CLEANERS & DYERS  
COLFAX AND OGDEN  
CHAMBERS AND COLFAX COOK  
238-15th St. (NEAR WELTON)

## KODAKS

and FILMS  
FORD'S  
1029 16th St. Denver, Colo.  
Kodak catalog mailed free

## EVERETTE R. BROWN

Florist  
615 Sixteenth Street Phone Main 4427

## KREYER'S RESTAURANT

Kreyer Brothers, Proprietors  
SPECIAL SUNDAY DINNERS, \$1.00  
1825 STOUT ST. DENVER, COLO.

## JOS. I. SCHWARTZ

DIAMONDS  
EXCLUSIVE MOUNTINGS  
COR. 16 & CURTIS

## A. W. Holdreth Stationery Comp.

805 Fifteenth Street  
Exceptional assortment of Holiday Greeting  
Cards on Display  
AND DECORATIONS  
Fine Footwear  
**Broadhurst**  
Denver  
The Christian Science Monitor  
IS FOR SALE IN DENVER, COLO., on the  
following terms: News Stand, 15th and  
Stout Sts.; E. J. Trotter, S. E. 107  
Broadway, 15th and Stout Sts.; Union News  
Stand, 15th and Union Sts.

## LUND'S BEAUTY PARLOR

Mrs. Lund, 814 Union St. Denver, Colo.  
Marcel and bob cut, free, extra charge for a  
week. We specialize on children's hair, cut  
and curl. 814 E. Colfax. Tel. Champa 1202

## PUTTING SWEETS

Kremer Candy of Quality  
Chocolate 75c to \$1.50, Caramels 60c, etc.  
2 lbs. or more per lb. AM. N. W. 100 N.  
Rivers, Col. of Denver, Col. 400 W.

## NEWHOUSE CAFE

TABLE D'HOT DINNERS 45c  
Also Breakfast and Lunch  
308 E. COLFAX AVE.

## MME. DE VANO

Expert French Dry Cleaning  
418 East Colfax Phone Champa 2060

## CITY NOVELTY WORKS

GEORGE ANDERSEN, Prop.  
1027 16th Street Phone Main 1905

## COLORADO

## Denver

**COAL**  
For GOOD Coal Call MAIN 4800  
We carry all the standard grades—  
Canon City—Walsburg—Routt  
County—Lignite—Anthracite—  
Coke  
Genuine Pinon Wood for the Grate  
THE  
COLORADO FUEL & IRON COMPANY  
RETAIL FUEL DEPARTMENT  
Seventeenth and Ch



## WASHINGTON

**Tacoma**  
(Continued)

**Safety Availability**  
**High Earning Power**

for seventeen years we have paid **6%** on savings.

The Pacific Savings & Loan Association  
1000 PACIFIC AVENUE & 11TH ST.

Mahneke & Co  
919 Broadway  
Sole Agents in Tacoma for 41 Years  
FEIST & BACHRACH

h. Dry Goods  
Children's Dept.  
Men's Furnishings  
Women's Apparel

Bonds for Safe Investment  
**DRUMHELLER, EHRLICHMAN  
& COMPANY**  
Ground Floor, 1115 Pacific Avenue

TACOMA MAIN

CANDIE  
and ICE  
Lunch  
DINNERS

The Pheasant

H. K. O'NEILL, Prop.

513 Broadway Phone Main

The Christian Science Monitor

IS FOR SALE IN TACOMA, WASH.,  
the following news stands:  
Come, 30th and Pacific Ave. Haynes's  
Book Store, 1217 Pacific Ave., Germania  
News Cart, 12th and Pacific.

**Vallejo**  
LA BELLE BEAUTE SHOPPE  
Manicuring, hair styling, pedicures,  
tanning, shampooing, etc.  
THELMA BRITTAIN  
Phone 1882 754 Sacramento

**Vancouver**  
LIBERTY SWEET SHOP  
915 Main Street 2208  
*The Home of Good Confectionery*

Walla Walla  
The Tea Room SWEETS & THINGS  
ETTA M. HOYT, Manager  
Luncheons  
Afternoon Tea

**Dinners**

Baldwin A. M. Jensen Co. Phone

**K. FALKENBERG**  
**QUALITY JEWELER**

1042 E. Main Phone

A. M. JENSEN CO.

Walla Walla THE MODERN DAYLIGHT STORE

The Best goods for the price, no matter what the price.

Send your samples to:  
Kodak Finishing for Particular Perfection  
**GARDNER & CO., Inc.**  
The Quality Store  
Ladies' Ready-to-Wear Millinery, Dry Goods,  
Clothing, Shoes, Accessories  
The "White" Hairdressing Shop  
MARCELINO, SHAMPOOING, MANICURE,  
DYES, TO SET THE INDIVIDUAL

HIGH ELECTRIC APPLIANCE SH  
 MERCHANDISE WITH SERVICE  
 Book, Nook Building Next to American The  
 MODEL GROCERY  
 BAKERY GOODS—FANCY GROCERIES  
 Phone 744-297 5 South 1st St.

---

DAVIS-KASER CO.  
 Complete Home Furnishers  
 Phone 3-361 W. 4th St.

**A. C. THOMPSON**  
 "That Good Coal"  
 Phone 147

---

**YOUNG & LESTER**  
 Florists  
 \* Member Florists' Association of America  
 Phone 580 12 E. M.

---

**Yakima**

**FIRST NATIONAL BANK**  
 'Capital and Surplus \$500,000.00  
**W. L. STEINWEG, President**  
 YAKIMA, WASH.

---

**FRANKLIN ROLL**  
 25 yrs. without water. **WHILES now**  
 \$1190.00 - \$1290.00 - \$1390.00 - \$1490.00  
**FRANKLIN YAKIMA COMPANY**  
 Distributors: Yakima, Bellingham, Renton, Co.  
 119-21 S. First St. **GEORGE E. MCCLURE**

**Dr. J. J. Brown**

OPPOSITE PALACE THEATRE  
SHOES FOR THE ENTIRE FAMILY  
THE HILL SHOE STORES, Inc.  
BETTER SHOES FOR LESS  
E. 815 Yakima Ave. Yakima, Wash.  
PAY CASH, PAY LESS  
FOR MEN'S AND BOYS'  
CLOTHING AND FURNISHINGS  
A. F. W. L. HEMAN'S, INC.  
Yakima Ave. at Third St.

Attractive Christmas Gifts  
FOR MEN, WOMEN AND CHILDREN  
H. BARNES

**LESLIE M. ROSE**  
**JEWELER**  
418 W. Yakima Ave., Yakima, Wash. Tel. 56

PLACE YOUR COAL ORDER NOW  
Artificial Ice & Cold Storage Co.  
Phone 311

**ANNAVEE FLOWER SHOP**

212-East Yakima Avenue. Phone 741  
Members' Florida' Telegraph Association

---

**MRS. EMMA WILSON**  
DRESSMAKING AND DESIGNER  
Remitting Steam Pleating, Buttons Corsets  
Room 4, Butler Bldg Phone 2485

---

**GIBSON PACKING COMPANY**  
U. S. Government Inspected Meats  
Coviche Cheese and Butter.

---

**Marsden's Grocery**

Phone 3000. 11th Avenue and Division  
**YAKIMA HARDWARE CO.**  
 Everything in Hardware  
 Including Paints and House Furnishings  
 Sporting Goods and Automobile Accessories  
**INEZ HARER GIBSON**  
 MEZZO SOPRANO  
 TEACHER OF SINGING  
 Studio, 119 Park Ave. Phone 2150

**The Christian Science Monitor**  
 A NEW SALE IN YAKIMA, WASH.

the following news stand: The Commercial Hotel news stand.



# THE CHRISTIAN SCIENCE MONITOR

BOSTON, MONDAY, DECEMBER 1, 1924

"First the blade, then the ear, then the full grain in the ear"

PUBLISHED BY THE CHRISTIAN SCIENCE PUBLISHING SOCIETY

## EDITORIALS

The only election of great consequence left for this year is that in Germany, set for Dec. 7.

### The German Elections: Potsdam or Weimar?

When that is over, the world's political orientation will be determined for some time to come. The French Chamber of Deputies will not be renewed until 1928. The British Unionists won such an overwhelming majority that they will probably stay in power for years. In the United States a new House of Representatives and a third of the Senate will be elected in 1926, but the Republican Party is sure of the Presidency until March, 1929. Russia is still ruled independently of popular elections in the Western sense, so that, when the Germans have decided what leaders they want, the international course of the leading powers will be set for several years—that is, unless revolutions should break out.

In what direction is Germany headed? Will it look for guidance from the Potsdam school or the Weimar academy, the monarchists or the republicans, the conservatives or the liberals? The defeat of the Labor men in England, and the victory of the Republicans in the United States this fall have led to the deduction that a wave of reaction from the democratic flood tide of last spring has set in. Will this nationalistic tide extend to Germany? If so, the republican form of government may be in danger. Next year the extended first term of President Ebert expires and at the popular election of his successor a prince, either the Prussian or the Bavarian Crown Prince, may be the candidate of the united monarchists—provided they win this fall. If they are again successful in electing a head of the state, a restoration of the imperial throne will not be far distant.

If the German nationalists win at this election, there is little likelihood of Germany entering the League of Nations, or that the payments of reparations under the London Agreement will be continued. Germany will once more find excuses and will clamor for a revision of the Versailles Treaty, particularly its adjudication of the war guilt. Such an outcome would, of course, react unfavorably on the Herriot Government in France. The fall of Ramsay MacDonald caused its opponents to jeer about "isolation" and an appearance of Admiral von Tirpitz as Chancellor of Germany would give them another opportunity. If the reparations payments are not made, another Premier, more of M. Poincaré's ilk, would be called for. Thus while a victory for the liberal and democratic elements in Germany will greatly aid in tranquilizing Europe, a nationalist victory will set the cause of peace back several years.

As to how the German voters will decide, it is hard to foretell. Those who dread a Franco-German economic agreement will naturally be glad to see the German reactionaries win. Last spring the Germans voted under a misapprehension. The figure that then obsessed them was that of M. Poincaré, holding the Ruhr and threatening to take more. Little did they imagine that a week later the French people themselves would disown his leadership. The German spring elections, therefore, went to the extremists, the Nationalists and the Communists, both groups expressing defiance of France. Recent by-elections, such as those in Upper Silesia and in Hamburg, have shown Nationalist and Communist losses and corresponding gains for the moderates. Since last May the Dawes plan has been accepted and applied, and in the final instance the Germans will have to decide whether they accept the "fulfillment" policy of the Liberals or whether they prefer the recalcitrant attitude of the Nationalists. Either one faction or the other must rule the country.

British newspapers have recently had much to say concerning the experimental ship on which the German inventor, Dr. Flettner, has been operating his wind cylinders. And the people, as a whole, have shown great interest in the project. The technical element, however, is very skeptical over the whole thing and well, it would seem, it might be, for the accounts which have reached England have come from Hamburg, Berlin, and all manner of places except Kiel, where the experiments have been carried out. Moreover, no two accounts have tallied. Even now, with photographs of the ship at hand, the mystery has not been quite cleared up, although it is certain that the original surmises were quite beyond the mark.

### The New Sailing Ship

Actually the idea back of the invention is apparently based on the theory that a rotating cylinder—to put it in a very general sort of way—creates a wind of its own. If, then, there is, say, a five-knot breeze blowing, it should be possible, through the revolution of such cylinders in a certain direction, to create a second, and a more powerful, wind in another direction, according to the angle of the oncoming breeze, which will thus, as it were, blow the ship along. It is said that a nine-horsepower motor will drive one of these sixty-foot towers fast enough for the purpose, but it is obvious that the speed of the ship is entirely dependent on the force of the wind, and that, if there is no wind blowing, there is practically nothing to be expected in the propulsion line. One is, therefore, thrown back perforce on all the vagaries of the old windjammer.

Dr. Flettner has come into naval architecture through the avenue of aeronautics, and both his celebrated rudder and this new device have been introduced as a result of his researches on airships and airplanes. There is nothing particularly new in this fact, however, for, curiously enough, naval architects have learned a great deal lately about the propulsion of ships through the researches carried out on airship propellers.

Seafaring men, however, are extremely curious to know how these huge revolving cylinders will stand up to a rough sea. They know from their sea experience how difficult it is to keep even a funnel on board when the ship is rolling heavily, and a funnel, they say, is a very different proposition from a revolving cylinder which, in the experimental ship at least, has no guys or stays.

That the idea is novel and has merit is obvious, but shipowners are not disturbed over the prospect of whether their ships will be out of date by the end of the year. They have, for any ships they may contemplate ordering, a fairly wide choice of types of engines. There is, for example, the well-tried steam-reciprocating engine, which took at least forty years to displace the sailing ship. There is also the Diesel engine which, in more than ten years, has not yet succeeded in taking the place of the steamship, and in between these there are the turbines, geared turbines, water-tube boilers, oil fuel and all kinds of other mechanical inventions. All these have had to fight their way up, for the history of naval architecture is one of steady evolution. Hence, whatever the future may hold for Dr. Flettner's researches, it is not likely that all the world's crack liners will suddenly become out of date.

Probably no entertainment and educational device in history has seized so firmly upon the interest of the public as radio.

### Radio a Link in the Family Circle

Not even motion pictures have had such universal appeal, for the exhibition of a film implies a theater or hall and a sufficient audience to pay for the showing. Isolation is an obstacle to the enjoyment of motion pictures, for a journey to and from the place of exhibition is involved; but isolation is a positive advantage in connection with radio. Even more than the dwellers in cities do the people in the country enjoy the radio, for with houses well separated there is little or no interference between users' receiving sets, and slight interference between the broadcasting stations so far as the listeners are concerned.

Whether one lives in the country or the town, radio has opened up a new horizon. In these days of international broadcasting one finds a new meaning in the Shakespearean quotation, "The world is mine oyster." For radio literally brings the world, or no small share of it, in at our windows via the radio aerial, and at will, guided by the daily programs printed in newspapers, we may turn to stations within a circuit of several hundred miles and listen to the desired concert, lecture or play. Some persons have expensive sets that bring in everything within a thousand-mile radius, but the great majority find more entertainment and instruction than they can put together tandem-fashion in an evening within two or three hundred miles of their homes.

Perhaps the most significant thing about radio is that it means most within the home. This new marvel is proving a means of drawing families together and keeping their members from wandering idly out into the night in search of diversion. Would you hear music by a string trio, an organ, a little symphony orchestra, or a band? Or would you prefer to hear a baritone, a tenor, a soprano, or a contralto? Perhaps you like quartets and choruses. Or, since all these may be had any evening, maybe you will prefer to listen to a talk by some Government official upon some vital national issue.

All of these are at the beck of your fingers from dusk to midnight, and all may be enjoyed without a break in the family circle. For those who are mechanically inclined—and most boys are at some time or other—there are the fascinations of radio experiment and one more means of giving the young folks an interest within the home, instead of outside. Paterfamilias' half-forgotten joy in boyish tinkering returns with his efforts to get the most out of his aerial arrangements, and to provide an efficient ground for his set. Mother gets new hints about dress and menus. The daughters of the family who are especially interested in music have an enormous field of side-light instruction thrown on their studies. With a radio set in the home, truly one has a device which literally can match the imaginary powers of Aladdin's lamp.

By a somewhat simple transplanting process it is proposed, according to a recent announcement, to engraft upon the industrial system of Russia the methods of agricultural production which have made, or helped to make, the United States of America the granary and storehouse of the world.

By arrangement with the Soviet Government, through its Central Department of Agriculture, a group of Americans, some of whom are already familiar with conditions in Russia, will take over and operate, for a term of fifteen years, a tract of 15,000 acres of land in the fertile Kuban section of South Russia. There, as on many of the farms of the United States, the tractor will displace the ox and horse teams, and the gang-plow the more primitive tool now in use.

This revolutionizing of what is still a crude process as it is employed in central Europe promises to bring, in a month or in a year, that efficiency and economic perfection which American ingenuity has achieved by the slow methods of evolution. It is altogether probable, according to the opinions of expert agriculturists who have made a study of conditions in Russia, that this transplanting process will be successfully carried on. The soil and climate of the particular section chosen are said to be adapted to the growing of small grains. Indeed the Russian peasant farmers have for years tilled a portion of the tract, using oxen to supplement the labor of their hands.

The arrangement made is by no means one-sided. While the American promoters hope,

through co-operation with the Soviet Government which will assure concessions in the form of low taxes and the promised granting of other favors, to profit by the venture, the aim of those in authority is to arouse the native people to a realization of their opportunities. It is estimated that 90 per cent of the Russians are tillers of the land, to which now, it is explained, they can claim no title. Under the Soviets private ownership of land is not recognized.

The experiment, in its ultimate working out, will be an interesting one. Assuming that the peasants are taught these newer and better methods of producing foodstuffs, will there exist the incentive which will prompt their application? It remains to be seen whether, under the Communistic régime as it is exemplified by the Soviets, the native Russian peasant will respond to the call of patriotism, realizing that personal reward for himself and greater opportunity for his children may be arbitrarily withheld. Will what are sometimes proudly boasted as American methods thrive in such an environment? Those who have progressed farthest in developing and sustaining the great producing industries, the world over, are those who have been encouraged by a realization that the laborer is worthy of his hire, and by the still more gratifying knowledge that those for whom he toils are faithful paymasters.

The opening days of modernism in art are over. Most of the bizarre attitudes have been already struck that can, so it would seem, be struck; and most of the possible cacophonies and dissonances have been already measured off. Rebellion, opposition, animadversion, recrimination—these gusty phases of a growing movement—no longer sweep the art world with their spectacular flurries. In a year when Honneger's orchestral ode to a steaming locomotive is played to metropolitan audiences in perfect calm, it is hard even to remember those testy times when Whistler battled in the London courts for his nocturnal impressions and Parisian public waxed savagely mutinous over the harmless piano concerto.

The artist of today has come into a period when an almost unlimited freedom of expression is accorded him, provided he keep within the bounds of common decency. He not only enjoys a peculiar tolerance, but he also, to a very great extent, enjoys a distinct and varied patronage. There seems to be a public for every kind of art—from Berlin to "The Six," from Goldberg to Matisse, there are plentiful and ardent enthusiasts. This, then, is a remarkably fine state of affairs for Art. It argues an advance all along the line. This twentieth-century willingness to give even the strangest art a fair hearing is in itself the highest sort of encouragement, and there is always enough real work to be done against the seeming limitations that surround artistic endeavor to occupy each artist without the burden of public interference or indifference.

The next phase of modernism must of necessity be one of slow growth and refinement. Since the public sensibilities have become quite used to the unexpected in art, the artist has only one road open to him. He must improve his talents or be forgotten. The general latitude allowed by post-war conditions is gradually melting away, leaving him less and less excuse for any artistic "monkey-shines." George Bernard Shaw's admonition to get what you like or you will get to like what you get, is too near the sentiment of this day and generation to allow any great hoodwinking of the public in the name of modernism. Art is becoming too widespread and vital not to be carefully scrutinized before it is admitted to our midst. It must have the countersign of the highest integrity and devotion to beauty. To see that this is so is a twofold task, for both the artist and for the public to perform. In that way the art of this century will approach those higher levels that seem so clearly destined.

## Editorial Notes

"Are you the gringo who has been opposing the bullfight?" This was the greeting Miss Alva C. Blaffer, founder and organizer of the Mexican Humane Association, received one night from a masked stranger as she was about to enter her home in the City of Mexico. "We had a meeting last night," he continued, "and we agreed that you would never live to leave this country if you succeeded in your aim to stop bullfighting. Are you Señora Blaffer?" Miss Blaffer replied: "I am, but do you know that if you were to do away with me it would accomplish more for my cause than anything I can think of? An army of men in this country and in the United States would demand action that would end bullfighting in Mexico for all time." That was enough. "Do you think so?" asked her questioner. "I know it to be true," Miss Blaffer replied. With that the masked stranger backed away, politely bowing, and said, "Good night, Señora."

One of the most hopeful signs on the world's horizon today is the fact, which the London Daily Telegraph recently commented upon, that people are reading the Bible today more than ever before. Although, it appears, after the end of the World War, there was a temporary slump in the number of Bibles published in the English and Welsh languages, following a decided increase during the war, of late there has again been shown an increase. This is interpreted as pointing to a "revival of Bible reading in the homeland." "The Bible," said Daniel Webster more than eighty years ago, "is a book of faith, and a book of doctrine, and a book of morals, and a book of religion, of special revelation from God; but it is also a book which teaches man his own individual responsibility, his own dignity, and his equality with his fellow-man."

## A New Couple on Claverly Street

We who live on Claverly Street have been watching with interest and approval that young couple who have just taken the second floor front and rear of Mrs. Murdock's house. For them it is only an adventure to do housekeeping on Claverly Street. It is an adventure to housekeeping at all. They have just begun. In coming to Claverly Street they have entered, by the back door, the American world of suburbanism and domesticity, of furcues, dining-room suites, window curtains, Seth Thomas clocks and 7 o'clock breakfasts for the first time.

All these great institutions of the democracy, which are the standard staple of the cartoonist and the warp and woof of the nation's life, they have met in a rush. To them the quiet confines of brick-walled Claverly Street are an adventure transcending anything they have found in books. Personal possession makes all the difference in their attitude toward a clothes wringer and a coal scuttle. They are taking their geranium pots, for example, with exaggerated seriousness.

The first great event, of course, was the morning bottle of milk. Claverly Street heard about it later. The event occurred the day after they moved in. Packing boxes and crated goods were all about that morning when they opened their back door at 8 o'clock and there, sure enough, sat the bottle that was their visible sign of Claverly Street enfranchisement. The bottle was white, it was shining, it was real milk. It was their milk. The glint of the sun on the curved side gave a cheerful tinkle of greeting and they stood and looked at the milk through the half-opened door. They were too moved to speak. For them it was the epitome of all that their falling into the groove of American family life meant. It was a symbol.

But that bottle of milk brought problems. Not then, but later, Claverly Street, which took a deep and sympathetic interest in the young couple, learned about it. Afterward, the trouble came with the cold weather. The milk froze. One morning they went to the door and found a phenomenon that Claverly Street knows well: a bottle of milk that had seemingly sprouted in the night, with the cream peeping above the top and the paper cap tipped jauntily on one side in defiance of all fluid laws.

The milk company decided to deliver at noon. It is warmer at noon. Milk does not freeze. But in changing from summer to winter schedule the company delivered two milk bottles the same day. One before breakfast and another after breakfast. After that they went on as before, without any gap.

The extra bottle of milk caused the trouble. The young couple had achieved a new dietary balance, the keystone of which was the Daily Milk Bottle. An extra milk bottle disrupted the whole system. The first day Mary that was her name—served the first bottle and kept the other, and the next day she served the second bottle and kept the third, and she did this for several days. But at the end of the third day there was still an extra bottle and they were in danger of overtaking the surplus that at first.

Mary was somewhat new at cooking. Had the milk soured, of course, Mary could have used it, but Henry (the husband) thought he did not like sour milk. Besides, they were now getting an extra bottle of cream every other day. That made it harder. Of course they might have thrown it away. But Mary was on a budget. The budget had a column for "Wastes and Extravagances," and if an unused bottle of milk is not a waste and extravagance, then nothing is. They couldn't throw it away.

And then one day Mary found that they were not only keeping up with the extra milk bottle—they were gaining on them! Something had to be done.

No doubt the story, as Claverly Street heard it eventually, was exaggerated. Obviously the young couple's

alleged dreams at this time, of bottomless springs of lactic fluid, were gross fabrications. So were some of the other tales which, it is charged, they considered. Actually, the course they adopted was extremely sensible and practical.

As Mary came home from market one day she saw a small boy with a kitten. She got the kitten for nothing. The increased milk demand added by this animal was the economic factor that overcame the adverse balance of marginal utility in the young couple's problem of surplus supply. In other words, Spot saved the day.

Sometimes Henry called the kitten Spot. But sometimes he still refers to it as does Claverly Street, as Tausig, out of respect to a former professor of economics of his, who had solved other problems of economics no less difficult than this one.

Luckily the young couple who moved into the second floor front and rear of Mrs. Murdock's house did not take any of their numerous and unexpected problems very seriously. There was that other matter of the Paper White Narcissus, for instance, which wouldn't sprout. This had a less satisfactory outcome. The outcome was, in fact, just that it wouldn't sprout.

The plant put forth long white tendrils into the water of its nine tub jar, but many a tip from the top it ran to roots. The roots cracked unpleasantly in the base of the bulb jar, but nothing appeared from the top of the obstinate plant. Mary was quite vexed.

The bulb had come from the 5 and 10-cent store. All around the counter at its purchase, where the "one" was selling bulbs at a nickel each, were tin pots and pans and glassware and trinkets and hurring people and hard-worked shop girls. And there on a corner amid all this utilitarianism was a quiet spot with glass full of gravel, and sample flowers in bloom, and bulbs to sale that held in each the potential miracle of life and beauty.

Mary bought a bulb then and there. And then the ungrateful plant refused to play its part and left its promise unfulfilled. It burgeoned, but at the wrong end. Its root crop of white, fleshy, somewhat fleshy-looking tendrils groped about the bottom of the blue bulb-jar, though ceaselessly searching and seeking for something that they did not find.

How differently acted another plant that had found its way via the vegetable market, into the inexperienced housekeeper's home? Mary could not help drawing comparisons. There was nothing else than a humble onion. Mary had sliced off half of this onion for some comfort or other. Several days later she was startled to observe that what was left of it was in active growth. From the central rings it had sent forth a green stalk that was making vigorous efforts to fructify. Without sun, with out water, with a minimum of heat, the remarkable plant had forced out a shoot that was green with chlorophyll. It had done everything short of blossom.

Such an extraordinary Will-to-Survive—Will-to-Live—could not be ignored. The moral was too overt. Here was this humble son of the soil (Mary said) that, in twain and with all the ordinary odds against it, and yet courageously going ahead with all the preparations for a useful career, just as though soup were not its goal. On the other hand, here was the pampered offspring of the idle rich (Mary meant the 5 and 10-cent store) reared in warmth, saddled in comfort and set in the lap of a blue glass bulb-jar where it sulked in obstinate exotism.

Mary took the paper-white narcissus bulb. She picked it out of its jar. She shut her eyes at the white tendrils and the green rings. She planted it in the spare onion and with a quick gesture implanted its already bursting form in place of the pampered darning.

The onion thrived. Democracy triumphed. Virtue was rewarded.

## The World's Great Capitals: The Week in Berlin

Berlin, Nov. 1.

Edouard Herriot's portion of General von Nathaus has deprived the Conservatives of a convenient campaign appeal. Now the Conservatives have produced and published in several of their newspapers an alleged memorandum from M. Herriot to the allied governments in which the French Premier is supposed to advocate certain changes in the Reichswehr in order to assist the German democrats. The memorandum is regarded skeptically outside the Conservative circles, the Liberals alleging that it was published in order to discredit them as friends of France.

The "Bright Sundays," organized by Frau Franziska Mann and Frau Lucy Abels, have been again providing one happy afternoon in the week for those educated women of the middle classes who themselves cannot afford any entertainment, since their incomes have been lost through the war and the inflation of the post-war years. This winter the delightful gatherings are held in the Harmonium Hall, seating rather more than 200 but proving still too small for the purpose. Everything is free of cost, car fare there and back, a bright, warm room and a program of music and recitations selected by professional artists of standing, while a hearty welcome is given to all by the great-hearted women who are doing so much good to their poorer sisters.

There is an interval for cocoa and cake and a chat. The ladies—they are mostly advanced in years—bring their own cups with them and they are filled and refilled. It is good to see the bright, cheerful faces and to witness the genuine enjoyment. Frau Mann was the originator also of the "Warm Parlor" last winter, which was such a source of help to women home-workers of the poorer middle classes of Berlin. She is well known in Chicago and other parts of the United States, of which she cherishes many pleasant memories.

Several things have made their reappearance in Berlin lately which point to the gradual return of normal conditions in this city. One of these is the slot-machine which sells chocolate, almonds, toffee or candy, according to one's choice, for the price of 10 pennies. These machines were the delight of the children before the war, and could be found in every railway and subway station. During the war they were either removed or emptied of their contents, their little signs indicating which lever should be pulled for chocolate and which for toffee. Now they are being put into operation again, and small groups of keenly interested children, who have never known such delightful contrivances before, can be seen crowding around some man or woman who is performing what appears to them to be a conjurer's trick by extracting, with the help of a 10-pennie piece, a packet of sugared almonds or some other delicacy from the inside of the little metal machine.

An object for righteous scorn and criticism to the man in the street is the Potsdamer Platz, the most lively square in Berlin. Here the city fathers have shown clearly to the horrified population what a handful of workmen can do with a hitherto peaceful square in a couple of months' time. They dug up the whole square, tore up the rails of the tramways and replaced them, erected safety islands and removed them a couple of days later, narrowed the footpaths and restored them to their old breadth, chivvied the pedestrians into crossing the square between two painted lines and blocked the traffic in the adjacent streets almost for miles. When the disorder has been straightened out and the turmoil has ceased, the square, it is hoped, will be a model of efficient traffic regulation. Already Berlin's first traffic tower, a giant head above the din, and the workmen are busily fixing the red, white and green lamps.

The free and easy manners which formerly prevailed in Berlin theaters, and which culminated in the consuming of substantial black bread sandwiches by many of the audience during the performances, have not yet wholly died out. To aesthetically-minded persons this latter custom is a particularly objectionable habit. The management of the Volkshaus at Potsdam has taken resolute measures which will certainly not prove less effective for an accompanying touch of humor. For a performance this week, Kleist's "Prinz von Homburg" the theater was crowded. Each recipient of a program read

the following notice at the top, printed in large letters: "To the Fumishings! Anybody, of course, can feel hungry in the theater, but he will not perish if he reserves his sandwich and other eatables for the interval. Anyone may have a tickling in his throat, but with a little good will he will generally be able to suppress a volcanic burst of sound. The Potsdam Volkshaus wishes to have an exemplary audience, and therefore proffers this request to all: 'Practice discipline in the theater!'"

The postal authorities have taken a decided step toward demilitarizing Germany. Hitherto the railway and post offices wore the same kind of uniforms as the soldiers, only of a different coloring, as is the case also in many other countries. Now the administration of the post has departed from this custom and has provided the men who are engaged in laying telephone and telegraph wires with a new soft cap after the model of the caps used by the members of the Austrian Alpine Club in other words, something quite unimperialistic.

## Letters to the Editor

Brief communications are welcomed, but the editor must reserve the right to publish or to withhold as he sees fit. No correspondence is returned unless accompanied by return address. This newspaper assumes no liability for opinions expressed. Anonymous letters are destroyed unread.

### "The Result of the Crow-Killing Contest"

To the Editor of The Christian Science Monitor: I have just read your editorial in the war against crows, entitled "The Result of the Crow-Killing Contest." It is my impression that you have shown a side of the mark in one way, i.e., the question of the crow's destruction.

I am writing this after half a century of observation and study of the subject. Fifty-two years ago I began studying birds, with the aid of "Wilson's Birds of New England." My home was in Minnesota, in the heart of its big, open forests of hardwood.

I learned that Wilson, studying birds, with a decided bent in favor of the crow and blue jay, reversed his opinion and declared war on both. Straightaway, I began a like investigation, to satisfy my own mind as to the status of both birds in my own State.

This is what I found to be the fact: that one sparrow, which could be swallowed at a single gulp by a crow, would destroy more injurious insects in a summer than two crows; that a crow systematically hunts for nests of small birds that fly entirely upon insects and devours them; that crows, or young birds in such nests whenever it finds it, that by so doing it eliminates at one meal enough insectivorous birds to pay for eight or ten crows; that he also kills young chickens, robs hens' nests, and pulls up corn as soon as it is three inches tall (I have seen an acre lost out of ten planted by crows' work, that he eats fewer insects than any one of many varieties of birds known to me that are less than three ounces in weight; that a full-grown crow is chargeable with the lives of not less than a score of insectivorous birds per annum, any one of which would do more good in a year than he would in five.

As with the crow, so with the jay, in a lesser degree. Los Angeles, Calif. E. E. L.

### "Wembley in 1925?"

To the Editor of The Christian Science Monitor:

Like the writer of the editorial article, "Wembley in 1925?" my thought still hopefully queries the reopening of the wonderful Exhibition next year, and dwells pleasantly upon the endless objects of interest seen and to be seen there.

I still think with gratitude of the little spot in the many acres of interest known as the Christian Science Pavilion, where the Monitor was quietly sheltering forth its clean pages, full of all things worth while, and challenging criticism.

As it has been said that the newspapers do the thinking for three quarters of the world, one sees how important it is to have thought and news in the byways of malice, hate, crime and disease. I feel that the Monitor, with its splendid design to "injure no man but to bless all mankind," was certainly doing its little "bit" in the cooperative plan for world harmony, of which the entire Wembley Exhibition was a grand manifestation. May it be again in its place next year! Wimbeldon Common, London, Eng. M. S.